

Forterra Building Products Limited 5 Grange Park Court Roman Way Northampton NN4 5EA

> Tel +44 (0)1604 707 600 forterra.co.uk

Thank you for downloading our CE certification for Thermalite Blocks. You can find the appropriate certificate in two simple steps:

1. First, press your | + | = | buttons to bring up the search box.

2. Next type in the Product name or DoP number into the search box

DOP/HANUK/BR/6042918 TAX and press enter.

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Note, this file contains many pages, if you choose to print the certificates, remember to only print the page that you require and not the entire catalogue. For further assistance please contact our Technical Centre on 0330 123 1018.

Yours sincerely,

As la lathere

Carl Cuthbert Head of Quality and Clay Services Forterra Building Products Limited

| (   |  | Dec |  | f Performance<br>IK/TH/6300919 |  |  |
|---|--|-----|--|--------------------------------|--|--|
|   |  |     | The undersigned, representing the following:   |                                |  |  |
| 5 Grange Par  | ling Products Limited<br>k Court, Roman Way<br>ıpton, NN4 5EA            |     | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                |  |  |
| BS E  | N 771-4:2011   |     |  | Confi                          | rms that:  |  |
|   | Turbo<br>12  |     |  | т                              | urbo<br>12   |  |
| Category II 440 x 100 x 215 mm a  | nutoclaved aerated concrete masonry units                                |     | Conforms to the  | Harmonised Eur                 | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 100 (mm) x 215 (mm)  |  |     | Category II, 440 x 1   | 00 x 215 mm, au                | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery                            |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                |  |  |
| Configuration:  | Solid  |     | Dimensional tolerances:  | ootogon "                      | CDI M (upless stated athenuise on the delivery ticket)         |  |
| Compressive strength:   | Mean 2.90 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:                      | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |     | Compressive strength:  |                                | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |                                |  |  |
| Flexural Bond Strength:   | NPD  |     | Moist<br>Shear Bond strength:  | ture Movement:                 | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:                   | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  |     | Reaction to fire:  |                                | NPD  |  |
| Water vapour diffusion coefficient :  | 5/40   |     |  |                                | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:                                       | 5/10   |     | Water absorption:  |                                | NPD  |  |
| Gross density:  | 470 kg/m <sup>3</sup>  |     | Water vapour diffusion coefficier  | nt:<br>Fixed Value:            | 5/10   |  |
| Configuration:  | 5  |     | Direct airborne sound insulation:  | :<br>Gross density:            | 470 ka/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                                |     | Thermal conductivity:  | Configuration:                 | As above   |  |
| Durability against freeze-thaw:   | NPD  |     |  |                                | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:   | See Note   |     | Durability against freeze-thaw:  |                                | NPD  |  |
|   |  |     | Dangerous Substances:<br>Note: Information on Dangerous  | substances will                | See Note only be given when and where required in the          |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.             | J I | appropriate form. See Annex ZA3  |                                |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300919

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| (   |  | Dec |  | of Performance<br>JK/TH/6300933 |   |  |
|---|--|-----|--|---------------------------------|---|--|
|   |  |     | The undersigned, representing the following:   |                                 |   |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA                                |     | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                 |   |  |
| BS EN   | 1771-4:2011  |     |  | Confi                           | irms that:  |  |
|   | Turbo<br>12  |     |  | т                               | urbo<br>12  |  |
| Category II 440 x 115 x 215 mm a  | utoclaved aerated concrete masonry units   |     | Conforms to the  | Harmonised Eur                  | ropean Standard: BS EN 771-4:2011                     |  |
| Dimensions: 440 (mm) x 115 (mm) x 215 (mm)  |  |     | Category II, 440 x 1   | 15 x 215 mm, au                 | toclaved aerated concrete masonry units               |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery ticket)                                    |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                 |   |  |
| Configuration:  | Solid  |     | Dimensional tolerances:  | ootogon <i>r</i>                | GPLM (unless stated otherwise on the delivery ticket) |  |
| Compressive strength:   | Mean 2.90 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:                       | Solid   |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |     | Compressive strength:  |                                 | Mean 2.90 N/mm² [⊥ bed face, whole unit]. [Cat II]    |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |                                 |   |  |
| Flexural Bond Strength:   | NPD  |     | Moist<br>Shear Bond strength:  | ture Movement:                  | Nominal 0.50 mm/m                                     |  |
| Reaction to fire:   | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:                    | 0.15 N/mm <sup>2</sup>                                |  |
| Water Absorption:   | NPD  |     | Reaction to fire:  |                                 | NPD   |  |
| Water vapour diffusion coefficient :  | 540  |     |  |                                 | Euroclass A1  |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   |     | Water absorption:  |                                 | NPD   |  |
| Gross density:  | 470 ka/m <sup>3</sup>  |     | Water vapour diffusion coefficier  | nt:<br>Fixed Value:             | 5/10  |  |
| Configuration:  | 0  |     | Direct airborne sound insulation:  | :<br>Gross density:             | 470 kg/m <sup>3</sup>                                 |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]   |     | Thermal conductivity:  | Configuration:                  | As above  |  |
| Durability against freeze-thaw:   | NPD  |     | -  |                                 | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]             |  |
| Dangerous Substances:   | See Note   |     | Durability against freeze-thaw:  |                                 | NPD   |  |
|   |  |     | Dangerous Substances:  | substances will                 | See Note only be given when and where required in the |  |
| Note: Information on Dangerous substances of<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.                              | J I | appropriate form. See Annex ZA3  | 3 of BS EN 771-4                | 1:2011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300933

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| <b>C</b>  | E  | Dec  |                                  | of Performance<br>IK/TH/6300957                                |  |
|---|--|--|----------------------------------|--|--|
|   | The undersigned, representing the following:   |  |                                  |  |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA                                | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                  |  |  |
| BS EN   | I 771-4:2011   |  | Confi                            | rms that:  |  |
|   | Turbo<br>12  |  | т                                | urbo<br>12   |  |
| Category II 440 x 125 x 215 mm a  | utoclaved aerated concrete masonry units   | Conforms to the  | Harmonised Eur                   | opean Standard: BS EN 771-4:2011                               |  |
|   |  | Category II, 440 x 12  | 25 x 215 mm, au                  | toclaved aerated concrete masonry units                        |  |
| Dimensions: 440 (mm) x 125 (mm) x 215 (mm)<br>Dimensional tolerances:<br>category:        | GPLM (unless stated otherwise on the delivery ticket)                                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:  | Solid  | Dimensional tolerances:  |                                  | × , ,  |  |
| Compressive strength:   | Mean 2.90 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:   | NPD  | Moist<br>Shear Bond strength:  | ure Movement:                    | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  | -  |                                  | NPD  |  |
| Water vapour diffusion coefficient :  |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   | Water absorption:  |                                  | NPD  |  |
| Gross density:  | 470 ka/m <sup>3</sup>  | Water vapour diffusion coefficien  | it:<br>Fixed Value:              | 5/10   |  |
|   | 0  | Direct airborne sound insulation:  |                                  |  |  |
| , i i i i i i i i i i i i i i i i i i i   |  |  | Gross density:<br>Configuration: | 470 kg/m <sup>3</sup><br>As above                              |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  |                                  | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Durability against freeze-thaw:   | NPD  | Durability against freeze-thaw:  |                                  | NPD  |  |
| Dangerous Substances:   | See Note   | Dangerous Substances:  | -                                | See Note   |  |
| Note: Information on Dangerous substances was appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the<br>'1-4:2011.                          | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                                  | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300957

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| (  | Dec  |  | f Performance<br>K/TH/6300971 |  |  |
|--|--|--|-------------------------------|--|--|
|  | The undersigned, representing the following:                             |  |                               |  |  |
| Forterra Building<br>5 Grange Park Co<br>Northamptor   | ourt, Roman Way  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                               |  |  |
| BS EN 77   | 71-4:2011  |  | Confi                         | rms that:  |  |
| Tur<br>1:  |  |  |                               | urbo<br>12   |  |
| Category II, 440 x 130 x 215 mm autor  | claved aerated concrete maconny units                                    | Conforms to the  | Harmonised Eur                | opean Standard: BS EN 771-4:2011                                   |  |
| Dimensions: 440 (mm) x 130 (mm) x 215 (mm)   |  | Category II, 440 x 1   | 30 x 215 mm, au               | toclaved aerated concrete masonry units                            |  |
| Dimensional tolerances: G  | GPLM (unless stated otherwise on the delivery<br>icket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                               |  |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogon/;                     | CPI M (unloss stated attenuing on the delivery ticket)             |  |
| Compressive strength: N  | Mean 2.90 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                     | GPLM (unless stated otherwise on the delivery ticket)<br>Solid     |  |
|  | Nominal 0.50 mm/m  | Compressive strength:  |                               | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]     |  |
| Shear Bond Strength:<br>Fixed value: 0   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                               |  |  |
| Flexural Bond Strength: N  | NPD  | Moist<br>Shear Bond strength:  | ture Movement:                | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                  | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  | Reaction to fire:  |                               | NPD  |  |
| Water vapour diffusion coefficient :<br>Fixed Value: 5   | 5/10   | Water absorption:  |                               | Euroclass A1   |  |
| Direct airborne sound insulation:  |  |  |                               | NPD  |  |
| Gross density: 4   | 170 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | Fixed Value:                  | 5/10   |  |
| Configuration: A   | As Above   | Direct airborne sound insulation:  | Gross density:                | 470 kg/m <sup>3</sup>  |  |
| Thermal conductivity: 0  | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                                | Thermal conductivity:  | Configuration:                | As above   |  |
| Durability against freeze-thaw:  | NPD  | Durability against freeze-thaw:  |                               | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                          |  |
| Dangerous Substances: S  | See Note   |  |                               | NPD  |  |
| Note: Information on Dangerous substances will<br>appropriate form. See Annex ZA3 of BS EN 771-4 |  | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                               | See Note<br>only be given when and where required in the<br>:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300971

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| (   | Dec  |  | f Performance       |   |  |
|---|--|--|---------------------|---|--|
|   | The undersigned, representing the following:                             |  |                     |   |  |
| 5 Grange Par  | ling Products Limited<br>k Court, Roman Way<br>npton, NN4 5EA            | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |   |  |
| BS EI   | N 771-4:2011   |  | Confi               | rms that:   |  |
|   | Turbo<br>12  |  | т                   | urbo<br>12  |  |
| Category II 440 x 140 x 215 mm a  | autoclaved aerated concrete masonry units                                | Conforms to the  | Harmonised Eur      | opean Standard: BS EN 771-4:2011                                    |  |
| Dimensions: 440 (mm) x 140 (mm) x 215 (mm)  |  | Category II, 440 x 1   | 40 x 215 mm, au     | toclaved aerated concrete masonry units                             |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery                            | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |   |  |
| Configuration:  | Solid  | Dimensional tolerances:  | ootogon <i>r</i>    | CPI M (uplose stated athenuise on the delivery ticket)              |  |
| Compressive strength:   | Mean 2.90 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid      |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]      |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |   |  |
| Flexural Bond Strength:   | NPD  | Mois<br>Shear Bond strength:   | ture Movement:      | Nominal 0.50 mm/m   |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>  |  |
| Water Absorption:   | NPD  | Reaction to fire:  |                     | NPD   |  |
| Water vapour diffusion coefficient :<br>Fixed Value:                                    | 5/10   |  |                     | Euroclass A1  |  |
| Direct airborne sound insulation:   | 5/10   | Water absorption:  |                     | NPD   |  |
| Gross density:  | 470 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | Fixed Value:        | 5/10  |  |
| Configuration:  | As Above   | Direct airborne sound insulation   | :<br>Gross density: | 470 kg/m <sup>3</sup>   |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                               | Thermal conductivity:  | Configuration:      | As above  |  |
| Durability against freeze-thaw:   | NPD  | Durability against freeze-thaw:  |                     | 0.10 W/m.K [ $\lambda_{10,dry unit}$ , S2]                          |  |
| Dangerous Substances:   | See Note   |  |                     | NPD   |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the<br>71-4:2011.          | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                     | See Note<br>only be given when and where required in the<br>b:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300988

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| CE  |          |  |  | DOP/HANU                         | of Performance<br>IK/TH/6300995   |  |
|---|----------|--|--|----------------------------------|---|--|
|   |          |  | The undersigned, representing the following:   |                                  |   |  |
| 5 Grange  | e Park Č | Products Limited<br>ourt, Roman Way<br>n, NN4 5EA              | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                  |   |  |
| E   | S EN 7   | 71-4:2011  |  | Confi                            | rms that:   |  |
|   |          | rbo<br>2   |  | т                                | urbo<br>12  |  |
| Catagony II 440 x 150 x 215   | nm auto  | claved aerated concrete masonry units                          | Conforms to the  | Harmonised Eur                   | opean Standard: BS EN 771-4:2011  |  |
| Dimensions: 440 (mm) x 150 (mm) x 215 (   |          | claved actated concrete masoning units                         | Category II, 440 x 1   | 50 x 215 mm, au                  | toclaved aerated concrete masonry units                                 |  |
| Dimensional tolerances:<br>categ  |          | GPLM (unless stated otherwise on the delivery<br>iicket)       | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |   |  |
| Configuration:  | :        | Solid  | Dimensional tolerances:  |                                  |   |  |
| Compressive strength:   | I        | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid          |  |
| Dimension Stability:<br>Moisture Movem  | ent: I   | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Solid<br>Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed va  | lue: (   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |   |  |
| Flexural Bond Strength:   | 1        | NPD  | Mois<br>Shear Bond strength:   | ture Movement:                   | Nominal 0.50 mm/m   |  |
| Reaction to fire:   |          | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>  |  |
| Water Absorption:   |          | NPD  | Ũ  |                                  | NPD   |  |
| Water vapour diffusion coefficient :  |          |  | Reaction to fire:  |                                  | Euroclass A1  |  |
| Fixed Va  | lue:     | 5/10   | Water absorption:  |                                  | NPD   |  |
| Direct airborne sound insulation:   |          |  | Water vapour diffusion coefficier  |                                  |   |  |
| Gross den   | sity: 4  | 470 kg/m³  | Direct airborne sound insulation   | Fixed Value:                     | 5/10  |  |
| Configura   | tion:    | As Above   |  | Gross density:<br>Configuration: | 470 kg/m <sup>3</sup><br>As above                                       |  |
| Thermal conductivity:   | (        | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      | Thermal conductivity:  | oomgaration.                     | 0.10 W/m.K [λ <sub>10.dry unit</sub> , S2]                              |  |
| Durability against freeze-thaw:   | I        | NPD  | Durability against freeze-thaw:  |                                  | NPD   |  |
| Dangerous Substances:   | :        | See Note   | Dangerous Substances:  |                                  | See Note  |  |
| Note: Information on Dangerous substar<br>appropriate form. See Annex ZA3 of BS I |          | l only be given when and where required in the<br>4:2011.      |  |                                  | only be given when and where required in the                            |  |

See Also Declaration of Performance DOP/HANUK/TH/6300995

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| (   |  | Dec  |  | of Performance<br>JK/TH/6301018 |  |  |
|---|--|--|--|---------------------------------|--|--|
|   |  | The undersigned, representing the following: |  |                                 |  |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA                                |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                 |  |  |
| BS EN   | I 771-4:2011   |  |  | Confi                           | irms that:   |  |
|   | Turbo<br>12  |  |  | т                               | urbo<br>12   |  |
| Category II 440 x 190 x 215 mm a  | utoclaved aerated concrete masonry units   |  | Conforms to the  | Harmonised Eur                  | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 190 (mm) x 215 (mm)  |  |  | Category II, 440 x 1   | 90 x 215 mm,  au                | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery ticket)                                    |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                 |  |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogorur                       | CPI M (uplace stated athenuise on the delivery ticket)         |  |
| Compressive strength:   | Mean 2.90 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                       | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |  | Compressive strength:  |                                 | Mean 2.90 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                                 |  |  |
| Flexural Bond Strength:   | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:                  | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                    | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                                 | NPD  |  |
| Water vapour diffusion coefficient :  | 540  |  |  |                                 | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   |  | Water absorption:  |                                 | NPD  |  |
| Gross density:  | 470 ka/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:             | 5/10   |  |
| Configuration:  | 0  |  | Direct airborne sound insulation:  | :<br>Gross density:             | 470 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]   |  | Thermal conductivity:  | Configuration:                  | As above   |  |
| Durability against freeze-thaw:   | NPD  |  | -  |                                 | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:   | See Note   |  | Durability against freeze-thaw:  |                                 | NPD  |  |
|   |  |  | Dangerous Substances:  | substances will                 | See Note only be given when and where required in the          |  |
| Note: Information on Dangerous substances of<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.                              | J I  | appropriate form. See Annex ZA3  | 3 of BS EN 771-4                | 1:2011.  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301018

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| <b>(</b>  | E  | Dec  |                                  | of Performance<br>IK/TH/6301015                                |  |  |
|---|--|--|----------------------------------|--|--|--|
|   | The undersigned, representing the following:                           |  |                                  |  |  |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA              | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                  |  |  |  |
| BS EN   | 1771-4:2011  |  | Confi                            | rms that:  |  |  |
|   | Turbo<br>12  |  | т                                | urbo<br>12   |  |  |
| Category II 440 x 200 x 215 mm a  | utoclaved aerated concrete masonry units                               | Conforms to the  | Harmonised Eur                   | opean Standard: BS EN 771-4:2011                               |  |  |
|   |  | Category II, 440 x 20  | 00 x 215 mm, au                  | toclaved aerated concrete masonry units                        |  |  |
| Dimensions: 440 (mm) x 200 (mm) x 215 (mm)<br>Dimensional tolerances:<br>category:        | GPLM (unless stated otherwise on the delivery ticket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |  |
| Configuration:  | Solid  | Dimensional tolerances:  |                                  | × , ,  |  |  |
| Compressive strength:   | Mean 2.90 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |  |  |  |
| Flexural Bond Strength:   | NPD  | Moist<br>Shear Bond strength:  | ure Movement:                    | Nominal 0.50 mm/m  |  |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |  |
| Water Absorption:   | NPD  | -  |                                  | NPD  |  |  |
| Water vapour diffusion coefficient :  |  | Reaction to fire:  |                                  | Euroclass A1   |  |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   | Water absorption:  |                                  | NPD  |  |  |
| Gross density:  | 470 ka/m³  | Water vapour diffusion coefficien  | it:<br>Fixed Value:              | 5/10   |  |  |
|   | 0  | Direct airborne sound insulation:  |                                  |  |  |  |
| , i i i i i i i i i i i i i i i i i i i   |  |  | Gross density:<br>Configuration: | 470 kg/m <sup>3</sup><br>As above                              |  |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                             | Thermal conductivity:  |                                  | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |  |
| Durability against freeze-thaw:   | NPD  | Durability against freeze-thaw:  |                                  | NPD  |  |  |
| Dangerous Substances:   | See Note   | Dangerous Substances:  | -                                | See Note   |  |  |
| Note: Information on Dangerous substances was appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the<br>'1-4:2011.        | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                                  | only be given when and where required in the<br>I:2011.        |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301015

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Buildi  | Declaration of Performance<br>DOP/HANUK/TH/6301022<br>The undersigned, representing the following:<br>Forterra Building Products Limited |  |                    |   |  |
|--|--|--|--------------------|---|--|
|  | c Court, Roman Way<br>pton, NN4 5EA  |  | 5 Grange Park      | court, Roman Way<br>ton, NN4 5EA                                    |  |
| BS EN  | 771-4:2011   |  | Confi              | irms that:  |  |
|  | Turbo<br>12  |  |                    | urbo<br>12  |  |
| Category II, 440 x 215 x 215 mm a  | utoclaved aerated concrete masonry units   | Conforms to the  | Harmonised Eur     | opean Standard: BS EN 771-4:2011                                    |  |
| <b>Dimensions:</b> 440 (mm) x 215 (mm) x 215 (mm)  |  | Category II, 440 x 2   | 15 x 215 mm,  au   | toclaved aerated concrete masonry units                             |  |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                    |   |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogon <i>i</i> r | GPLM (unless stated otherwise on the delivery ticket)               |  |
| Compressive strength:  | Mean 2.90 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II]   | Configuration:   | category:          | Solid   |  |
| Dimension Stability:<br>Moisture Movement:<br>Shear Bond Strength:                         | Nominal 0.50 mm/m  | Compressive strength:  |                    | Mean 2.90 N/mm² [⊥ bed face, whole unit]. [Cat II]                  |  |
| Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:<br>Moist  | ture Movement:     | Nominal 0.50 mm/m   |  |
| Flexural Bond Strength:  | NPD  | Shear Bond strength:   |                    | 0.15 N/mm <sup>2</sup>  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:       | NPD   |  |
| Water Absorption:  | NPD  | Reaction to fire:  |                    | Euroclass A1  |  |
| Water vapour diffusion coefficient :<br>Fixed Value:                                       | 5/10   | Water absorption:  |                    |   |  |
| Direct airborne sound insulation:  |  | Water vapour diffusion coefficier  | nt.                | NPD   |  |
| Gross density:   | 470 kg/m <sup>3</sup>  |  | Fixed Value:       | 5/10  |  |
| Configuration:   | As Above   | Direct airborne sound insulation:  | Gross density:     | 470 kg/m <sup>3</sup>   |  |
| Thermal conductivity:  | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]  | Thermal conductivity:  | Configuration:     | As above  |  |
| Durability against freeze-thaw:  | NPD  | Durability against freeze-thaw:  |                    | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                          |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                    | NPD<br>See Note   |  |
| Note: Information on Dangerous substances v<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.  | ,  |                    | See Note<br>only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301022

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| (   |  | Dec  |  | of Performance<br>JK/TH/6301039 |   |  |
|---|--|--|--|---------------------------------|---|--|
|   |  | The undersigned, representing the following: |  |                                 |   |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA                                |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                 |   |  |
| BS EN   | I 771-4:2011   |  |  | Confi                           | irms that:  |  |
|   | Turbo<br>12  |  |  | т                               | urbo<br>12  |  |
| Category II 440 x 265 x 215 mm a  | utoclaved aerated concrete masonry units   |  | Conforms to the  | Harmonised Eur                  | ropean Standard: BS EN 771-4:2011                     |  |
| <b>Dimensions:</b> 440 (mm) x 265 (mm) x 215 (mm)   |  |  | Category II, 440 x 2   | 65 x 215 mm,  au                | toclaved aerated concrete masonry units               |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery ticket)                                    |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                 |   |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogon <i>r</i>                | GPLM (unless stated otherwise on the delivery ticket) |  |
| Compressive strength:   | Mean 2.90 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                       | Solid   |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |  | Compressive strength:  |                                 | Mean 2.90 N/mm² [⊥ bed face, whole unit]. [Cat II]    |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                                 |   |  |
| Flexural Bond Strength:   | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:                  | Nominal 0.50 mm/m                                     |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                    | 0.15 N/mm <sup>2</sup>                                |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                                 | NPD   |  |
| Water vapour diffusion coefficient :  | 540  |  |  |                                 | Euroclass A1  |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   |  | Water absorption:  |                                 | NPD   |  |
| Gross density:  | 470 ka/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:             | 5/10  |  |
| Configuration:  | 0  |  | Direct airborne sound insulation:  | :<br>Gross density:             | 470 kg/m <sup>3</sup>                                 |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]   |  | Thermal conductivity:  | Configuration:                  | As above  |  |
| Durability against freeze-thaw:   | NPD  |  | -  |                                 | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]             |  |
| Dangerous Substances:   | See Note   |  | Durability against freeze-thaw:  |                                 | NPD   |  |
|   |  |  | Dangerous Substances:  | substances will                 | See Note only be given when and where required in the |  |
| Note: Information on Dangerous substances of<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.                              |  | appropriate form. See Annex ZA3  | 3 of BS EN 771-4                | 1:2011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301039

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

As la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| <b>C</b>  |  | Dec  |  | of Performance      |  |  |  |
|---|--|--|--|---------------------|--|--|--|
|   |  | The undersigned, representing the following: |  |                     |  |  |  |
| 5 Grange Park   | ing Products Limited<br>Court, Roman Way<br>pton, NN4 5EA              |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |  |  |  |
| BS EN   | I 771-4:2011   |  |  | Confi               | rms that:  |  |  |
|   | Turbo<br>12  |  |  | т                   | urbo<br>12   |  |  |
| Category II 440 x 300 x 215 mm a  | utoclaved aerated concrete masonry units                               |  | Conforms to the  | Harmonised Eur      | opean Standard: BS EN 771-4:2011                               |  |  |
| Dimensions: 440 (mm) x 300 (mm) x 215 (mm)  |  |  | Category II, 440 x 3   | 00 x 215 mm,  au    | toclaved aerated concrete masonry units                        |  |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery ticket)                  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  |                     |  |  |  |
| Compressive strength:   | Mean 2.90 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |  | Compressive strength:  |                     | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                     |  |  |  |
| Flexural Bond Strength:   | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                     | NPD  |  |  |
| Water vapour diffusion coefficient :  | 5/40   |  |  |                     | Euroclass A1   |  |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   |  | Water absorption:  |                     | NPD  |  |  |
| Gross density:  | 470 ka/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |  |
| Configuration:  | 0  |  | Direct airborne sound insulation:  | :<br>Gross density: | 470 kg/m <sup>3</sup>  |  |  |
| Thermal conductivity:   | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  |  | Configuration:      | As above   |  |  |
| Durability against freeze-thaw:   | NPD  |  | Thermal conductivity:  |                     | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |  |
| Dangerous Substances:   | See Note   |  | Durability against freeze-thaw:  |                     | NPD  |  |  |
|   |  |  | Dangerous Substances:  | substances will     | See Note only be given when and where required in the          |  |  |
| Note: Information on Dangerous substances of<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.            | J I  | appropriate form. See Annex ZA3  | 3 of BS EN 771-4    | 1:2011.  |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301046

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

As la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |        |  |   | Declaration of Performance<br>DOP/HANUK/TH/6301275<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                     |  |  |
|--|--------|--|---|--|---------------------|--|--|
|  | BS EI  | N 771-4:2011   |   |  | Confi               | irms that:   |  |
|  | .arge  | Format Turbo<br>12   |   |  |                     | ormat Turbo<br>12  |  |
| Category II. 440 x 100 x 43  | ) mm a | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | Harmonised Eur      | ropean Standard: BS EN 771-4:2011                              |  |
| <b>Dimensions:</b> 440 (mm) x 100 (mm) x 430   |        | ····· , · · · · · · · · · · · · · · · ·                                  |   | Category II, 440 x 1   | 00 x 430 mm, au     | itoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:  | egory: | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                     |  |  |
| Configuration:   |        | Solid  |   | Dimensional tolerances:  | ooto gom u          | CDI M (uplace stated athenuise on the delivery ticket)         |  |
| Compressive strength:  |        | Mean 2.90 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Move  | ment:  | Nominal 0.50 mm/m  |   | Compressive strength:  |                     | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed  | /alue: | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:  |        | NPD  |   | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |        | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  |        | NPD  |   | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :   |        | 5/40   |   |  |                     | Euroclass A1   |  |
| Fixed Direct airborne sound insulation:  | /alue: | 5/10   |   | Water absorption:  |                     | NPD  |  |
| Gross d  | nsity: | 470 ka/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
| Configu  | ,      | 5  |   | Direct airborne sound insulation:  |                     | 470 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |        | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |   |  | Configuration:      | As above   |  |
| Durability against freeze-thaw:  |        | NPD  |   | Thermal conductivity:  |                     | $0.10 \text{ W/m.K } [\lambda_{10,dry \text{ unit, }} S2]$     |  |
|  |        |  |   | Durability against freeze-thaw:  |                     | NPD  |  |
| Dangerous Substances:  |        | See Note   |   | Dangerous Substances:  |                     | See Note   |  |
| Note: Information on Dangerous subst<br>appropriate form. See Annex ZA3 of B                 |        | will only be given when and where required in the<br>71-4:2011.          | J | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                     | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6301275

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bi<br>5 Grange F<br>North   | -  | Declaration of Performance<br>DOP/HANUK/TH/6301282<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |   |  |  |
|--|--|--|--|---|--|--|
| -  | EN 771-4:2011<br>Je Format Turbo   |  |  |   | irms that:   |  |
|  | 12   |  |  | Large Fo  | ormat Turbo<br>12  |  |
| Category II, 440 x 115 x 430 m   | n autoclaved aerated concrete masonry units                                |  | Conforms to the  | e Harmonised Eur  | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 115 (mm) x 430 (m   | m)   |  | Category II, 440 x 1   | 15 x 430 mm, au   | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:<br>catego  | GPLM (unless stated otherwise on the delivery<br>y: ticket)                |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |   |  |  |
| Configuration:   | Solid  |  | Dimensional tolerances:  |   |  |  |
| Compressive strength:  | Mean 2.90 $\textrm{N/mm}^{2}$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement  | nt: Nominal 0.50 mm/m  |  | Compressive strength:  |   | Mean 2.90 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed valu   | e: 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   |   |  |  |
| Flexural Bond Strength:  | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:  | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  |  | Reaction to fire:  |   | NPD  |  |
| Water vapour diffusion coefficient :   | e: E(40  |  |  |   | Euroclass A1   |  |
| Fixed Valu Direct airborne sound insulation:   | e: 5/10  |  | Water absorption:  |   | NPD  |  |
| Gross densi  | y: 470 kg/m <sup>3</sup>   |  | Water vapour diffusion coefficier  | Fixed Value:  | 5/10   |  |
| Configuratio   | , .  |  | Direct airborne sound insulation:  | Gross density:  | 470 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | 0.10 W/m.K [λ <sub>10,dry unit</sub> , S2]                                 |  | Thermal conductivity:  | Configuration:  |  |  |
| Durability against freeze-thaw:  | NPD  |  | Durability against freeze-thaw:  |   | 0.10 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:  | See Note   |  |  |   | NPD  |  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN |  | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3   |  | See Note<br>only be given when and where required in the<br>4:2011. |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301282

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300711 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 50 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 50 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 50 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300711

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300728 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 75 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 75 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 75 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: GPLM (unless stated otherwise on the delivery ticket) category: Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300728

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300735 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 90 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 90 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 90 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: GPLM (unless stated otherwise on the delivery ticket) category: Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300735

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300742 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 100 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 100 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 100 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300742

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300766 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 115 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 115 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 115 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300766

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300773 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 125 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 125 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 125 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300773

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300780 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 140 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 140 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 140 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300780

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300803 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 150 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 150 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 150 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300803

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300810 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 190 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 190 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 190 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300810

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6300827 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 200 x 215 mm autoclaved aerated concrete masonry units Category II. 440 x 200 x 215 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 200 (mm) x 215 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300827

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6301268 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 100 x 140 mm autoclaved aerated concrete masonry units Category II. 440 x 100 x 140 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 100 (mm) x 140 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6301268

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6301381 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 115 x 140 mm autoclaved aerated concrete masonry units Category II. 440 x 115 x 140 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 115 (mm) x 140 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6301381

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

### **Declaration of Performance** DOP/HANUK/TH/6301428 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Shield Shield 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 100 x 240 mm autoclaved aerated concrete masonry units Category II. 440 x 100 x 240 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 100 (mm) x 240 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: Configuration: As Above 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: Durability against freeze-thaw: NPD **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6301428

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra<br>5 Grang<br>No  |  | Declaration of Performance<br>DOP/HANUK/TH/6301398<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |   |  |
|--|--|--|--|---------------------|---|--|
|  | 3S EN 771-4:2011<br>rge Format Shield                                  |  |  |                     | irms that:  |  |
|  | 12   |  |  | Large Fo            | ormat Shield<br>12  |  |
| Category II, 440 x 100 x 430   | nm autoclaved aerated concrete masonry units                           |  | Conforms to the  | e Harmonised Eur    | ropean Standard: BS EN 771-4:2011                                   |  |
| <b>Dimensions:</b> 440 (mm) x 100 (mm) x 430                                   |  |  | Category II, 440 x 1   | 100 x 430 mm, au    | utoclaved aerated concrete masonry units                            |  |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery                          |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |   |  |
| Configuration:   | Solid  |  | Dimensional tolerances:  |                     |   |  |
| Compressive strength:  | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat             | 1]   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid      |  |
| Dimension Stability:<br>Moisture Mover   | nent: Nominal 0.50 mm/m  |  | Compressive strength:  |                     | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]                  |  |
| Shear Bond Strength:<br>Fixed v  | alue: 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                     |   |  |
| Flexural Bond Strength:  | NPD  |  | Mois<br>Shear Bond strength:   | sture Movement:     | Nominal 0.50 mm/m   |  |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>  |  |
| Water Absorption:  | NPD  |  | Reaction to fire:  |                     | NPD   |  |
| Water vapour diffusion coefficient :   | 5/10   |  |  |                     | Euroclass A1  |  |
| Fixed V<br>Direct airborne sound insulation:                                   | alue: 5/10   |  | Water absorption:  |                     | NPD   |  |
| Gross de   | sity: 600 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10  |  |
|  | tion: As Above   |  | Direct airborne sound insulation   | Gross density:      | 600 kg/m <sup>3</sup>   |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                              |  | Thermal conductivity:  | Configuration:      |   |  |
| Durability against freeze-thaw:  | NPD  |  | Durability against freeze-thaw:  |                     | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                           |  |
| Dangerous Substances:  | See Note   |  |  |                     | NPD   |  |
| Note: Information on Dangerous substa<br>appropriate form. See Annex ZA3 of BS | nces will only be given when and where required in t<br>EN 771-4:2011. | ne   | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA                              |                     | See Note<br>only be given when and where required in the<br>4:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301398

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |          |  |   | Declaration of Performance<br>DOP/HANUK/TH/6301404<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                     |  |  |
|--|----------|--|---|--|---------------------|--|--|
|  |          | I 771-4:2011   |   |  | Confi               | rms that:  |  |
|  | Large i  | Format Shield<br>12  |   |  | Large Fo            | rmat Shield<br>12  |  |
| Category II, 440 x 115 x 4   | 30 mm a  | utoclaved aerated concrete masonry units                                 |   | Conforms to the Harmonised European Standard: BS EN 771-4:2011   |                     |  |  |
| Dimensions: 440 (mm) x 115 (mm) x 4  | 30 (mm)  | ,  |   | Category II, 440 x 1   | 115 x 430 mm, au    | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:  | ategory: | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                     |  |  |
| Configuration:   |          | Solid  |   | Dimensional tolerances:  |                     |  |  |
| Compressive strength:  |          | Mean 3.60 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Mo  | vement:  | Nominal 0.50 mm/m  |   | Compressive strength:  |                     | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixe   | d value: | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:  |          | NPD  |   | Mois<br>Shear Bond strength:   | sture Movement:     | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |          | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  |          | NPD  |   | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :   |          | 5/40   |   |  |                     | Euroclass A1   |  |
| Direct airborne sound insulation:  | d Value: | 5/10   |   | Water absorption:  |                     | NPD  |  |
| Gross  | density: | 600 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficie   | nt:<br>Fixed Value: | 5/10   |  |
|  |          | As Above   |   | Direct airborne sound insulation   | Gross density:      | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |          | $0.13 \text{ W/m.K} \left[\lambda_{10, dry \text{ unit, }} S2\right]$    |   | Thermal conductivity:  | Configuration:      | As above<br>0.13 W/m.K [λ <sub>10.drv unit.</sub> S2]          |  |
| Durability against freeze-thaw:  |          | NPD  |   | Durability against freeze-thaw:  |                     |  |  |
| Dangerous Substances:  |          | See Note   |   | Dangerous Substances:  |                     | NPD<br>See Note  |  |
| Note: Information on Dangerous sub<br>appropriate form. See Annex ZA3 of                     |          | will only be given when and where required in the<br>'1-4:2011.          | ] |  |                     | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301404

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bu<br>5 Grange P<br>Northa   | Declaration of Performance<br>DOP/HANUK/TH/6301442<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |  |  |
|---|--|--|---------------------|--|--|
|   | EN 771-4:2011  |  | Confi               | irms that:   |  |
| Largo   | PFormat Shield<br>12   |  | Large Fo            | ormat Shield<br>12   |  |
| Category II, 440 x 125 x 430 mm   | autoclaved aerated concrete masonry units  | Conforms to the  | Harmonised Eur      | opean Standard: BS EN 771-4:2011                                   |  |
| Dimensions: 440 (mm) x 125 (mm) x 430 (mn   |  | Category II, 440 x 1   | 25 x 430 mm,  au    | itoclaved aerated concrete masonry units                           |  |
| Dimensional tolerances: category  | GPLM (unless stated otherwise on the delivery  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:  | Solid  | Dimensional tolerances:  | ootogon "           | CDI M (unless stated atherwise on the delivery ticket)             |  |
| Compressive strength:   | Mean 3.60 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II]   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid     |  |
| Dimension Stability:<br>Moisture Movemen  | t: Nominal 0.50 mm/m   | Compressive strength:  |                     | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]     |  |
| Shear Bond Strength:<br>Fixed value   | : 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:   | NPD  | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :<br>Fixed Value                               | : 5/10   |  |                     | Euroclass A1   |  |
| Direct airborne sound insulation:   |  | Water absorption:  |                     | NPD  |  |
| Gross density   | r: 600 ka/m <sup>3</sup>   | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
| Configuration   | : As Above   | Direct airborne sound insulation:  | Gross density:      | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]  | Thermal conductivity:  | Configuration:      | As above   |  |
| Durability against freeze-thaw:   | NPD  | Durability against freeze-thaw:  |                     | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                          |  |
| Dangerous Substances:   | See Note   |  |                     | NPD  |  |
| Note: Information on Dangerous substance appropriate form. See Annex ZA3 of BS EN | s will only be given when and where required in the<br>771-4:2011.   | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                     | See Note<br>only be given when and where required in the<br>:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301442

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra B<br>5 Grange<br>North   | -  | Declaration of Performance<br>DOP/HANUK/TH/6301411<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                  |  |  |
|---|--|--|--|------------------|--|--|
|   | EN 771-4:2011<br>e Format Shield                                       |  |  |                  | irms that:   |  |
|   | 12   |  |  | Largero          | 12   |  |
| Category II, 440 x 140 x 430 m  | n autoclaved aerated concrete masonry units                            |  | Conforms to the  | e Harmonised Eur | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 140 (mm) x 430 (m  | m)   |  | Category II, 440 x 1   | 40 x 430 mm, au  | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery<br>y: ticket)            |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                  |  |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogonu         | CDI M (uplace stated atherwise on the delivery ticket)         |  |
| Compressive strength:   | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Moveme   | nt: Nominal 0.50 mm/m  |  | Compressive strength:  |                  | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value   | e: 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   |                  |  |  |
| Flexural Bond Strength:   | NPD  |  | Moise<br>Shear Bond strength:  | ture Movement:   | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:     | 0.15 N/mm <sup>2</sup><br>NPD                                  |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                  |  |  |
| Water vapour diffusion coefficient :<br>Fixed Valu                                  | e: 5/10  |  | Water absorption:  |                  | Euroclass A1   |  |
| Direct airborne sound insulation:   |  |  |  | -4-              | NPD  |  |
| Gross densi   | y: 600 kg/m <sup>3</sup>   |  | Water vapour diffusion coefficier  | Fixed Value:     | 5/10   |  |
| Configuratio  | n: As Above  |  | Direct airborne sound insulation   | Gross density:   | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  | Thermal conductivity:  | Configuration:   | As above<br>0.13 W/m.Κ [λ <sub>10.drv unit.</sub> S2]          |  |
| Durability against freeze-thaw:   | NPD  |  | Durability against freeze-thaw:  |                  |  |  |
| Dangerous Substances:   | See Note   |  | Dangerous Substances:  |                  | NPD<br>See Note  |  |
| Note: Information on Dangerous substanc<br>appropriate form. See Annex ZA3 of BS El | es will only be given when and where required in the 771-4:2011.       |  |  |                  | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301411

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bu<br>5 Grange P<br>Northa<br>BS  | -  | Declaration of Performance<br>DOP/HANUK/TH/6301534<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |  |                                  |  |  |
|--|--|--|--|----------------------------------|--|--|
|  | e Format Shield  |  |  |                                  | ormat Shield   |  |
|  |  |  |  |                                  | 12   |  |
| Category II, 440 x 200 x 430 mm  | autoclaved aerated concrete masonry units                                |  | Conforms to the  | e Harmonised Eur                 | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 200 (mm) x 430 (mr  | 1)   |  | Category II, 440 x 2   | 00 x 430 mm, au                  | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery                            |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:   | Solid  |  | Dimensional tolerances:  | este con u                       | CDI M (uplace stated atherwise on the delivery ticket)         |  |
| Compressive strength:  | Mean 3.60 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movemen   | t: Nominal 0.50 mm/m   |  | Compressive strength:  |                                  | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value  | e: 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:  | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:                   | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  |  |  |                                  | NPD  |  |
| Water vapour diffusion coefficient :   |  |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Fixed Value<br>Direct airborne sound insulation:                                     | e: 5/10  |  | Water absorption:  |                                  | NPD  |  |
|  | 000 1 / 3  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:              | 5/10   |  |
| Gross densit   | 5  |  | Direct airborne sound insulation:  | :                                |  |  |
| Configuration  |  |  |  | Gross density:<br>Configuration: | 600 kg/m³<br>As above  |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |  | Thermal conductivity:  | 0                                | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Durability against freeze-thaw:  | NPD  |  | Durability against freeze-thaw:  |                                  | NPD  |  |
| Dangerous Substances:  | See Note   |  | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN | s will only be given when and where required in the 771-4:2011.          |  |  |                                  | l only be given when and where required in the 4:2011.         |  |

See Also Declaration of Performance DOP/HANUK/TH/6301534

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bi<br>5 Grange F<br>North   | -  | Declaration of Performance<br>DOP/HANUK/TH/6301435<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                |  |  |
|--|--|--|--|----------------|--|--|
| _  | EN 771-4:2011<br>e Format Shield                                       |  |  |                | irms that:   |  |
|  | 12   |  |  | Large Fo       | ormat Shield<br>12   |  |
| Category II, 540 x 100 x 440 m   | n autoclaved aerated concrete masonry units                            |  | Conforms to the  | Harmonised Eu  | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 540 (mm) x 100 (mm) x 440 (m   | m)   |  | Category II, 540 x 100 x 440 mm, autoclaved aerated concrete masonry units   |                |  |  |
| Dimensional tolerances:<br>catego  | GPLM (unless stated otherwise on the delivery<br>y: ticket)            |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                |  |  |
| Configuration:   | Solid  |  | Dimensional tolerances:  | ootogonu       | CDI M (unless stated atherwise on the delivery fields)         |  |
| Compressive strength:  | Mean 3.00 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:      | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement  | nt: Nominal 0.50 mm/m  |  | Compressive strength:  |                | Mean 3.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed valu   | e: 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   |                |  |  |
| Flexural Bond Strength:  | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement: | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  |  | Reaction to fire:  |                | NPD  |  |
| Water vapour diffusion coefficient :   | e: E(40  |  |  |                | Euroclass A1   |  |
| Fixed Valu Direct airborne sound insulation:   | e: 5/10  |  | Water absorption:  |                | NPD  |  |
| Gross densi  | y: 600 kg/m <sup>3</sup>   |  | Water vapour diffusion coefficier  | Fixed Value:   | 5/10   |  |
| Configuratio   | , .  |  | Direct airborne sound insulation:  | Gross density: | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  | Thermal conductivity:  | Configuration: | As above   |  |
| Durability against freeze-thaw:  | NPD  |  | Durability against freeze-thaw:  |                | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Dangerous Substances:  | See Note   |  |  |                | NPD<br>See Note  |  |
| Dangerous Substances:       See Note         Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011.       Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. |  |  |  |                | I only be given when and where required in the                 |  |

See Also Declaration of Performance DOP/HANUK/TH/6301435

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

|   | Declaration of Performance<br>DOP/HANUK/TH/6300599                                       |  |                                     |  |  |
|---|--|--|-------------------------------------|--|--|
|   | The undersigned, representing the following:   |  |                                     |  |  |
| 5 Grange I  | uilding Products Limited<br>Park Court, Roman Way<br>ampton, NN4 5EA                     | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                     |  |  |
| BS  | EN 771-4:2011  |  | Conf                                | ïrms that:   |  |
|   | Party Wall<br>12   |  | Pai                                 | rty Wall<br>12   |  |
| Category II 440 x 100 x 215 m   | n autoclaved aerated concrete masonry units  | Conforms to the  | Harmonised Eu                       | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 100 (mm) x 215 (m  |  | Category II, 440 x 10  | 00 x 215 mm, au                     | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                     |  |  |
| Configuration:  | Solid  | Dimensional tolerances:  | ootogonu                            | CDI M (unless stated atherwise on the delivery ticket)         |  |
| Compressive strength:   | Mean 4.00 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Moveme   | nt: Nominal 0.50 mm/m  | Compressive strength:  |                                     | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed valu  | e: 0.15 N/mm <sup>2</sup>  | Dimensional stability:   |                                     |  |  |
| Flexural Bond Strength:   | NPD  | Moist<br>Shear Bond strength:  | ture Movement:                      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                        |  |  |
| Water Absorption:   | NPD  | , i i i i i i i i i i i i i i i i i i i  |                                     | NPD  |  |
| Water vapour diffusion coefficient :  |  | Reaction to fire:  |                                     | Euroclass A1   |  |
| Fixed Valu Direct airborne sound insulation:  | e: 5/10  | Water absorption:  |                                     | NPD  |  |
| Gross densi   | ty: 660 kg/m <sup>3</sup>  | Water vapour diffusion coefficien  | nt:<br>Fixed Value:                 | 5/10   |  |
| Configuratio  | , .  | Direct airborne sound insulation:  |                                     |  |  |
| Thermal conductivity:   | 0.14 W/m.K [λ <sub>10,dry unit</sub> , S2]   | The survey of a standard in the second   | Configuration:                      |  |  |
| Durability against freeze-thaw:   | NPD  | Thermal conductivity:  |                                     | 0.14 W/m.K [ $\lambda_{10,dry unit}$ , S2]                     |  |
| Dangerous Substances:   | See Note   | Durability against freeze-thaw:  |                                     | NPD  |  |
| -   |  | Dangerous Substances:  |                                     | See Note   |  |
| Note: Information on Dangerous substanc<br>appropriate form. See Annex ZA3 of BS EN | es will only be given when and where required in the 771-4:2011.                         | appropriate form. See Annex ZA3  | Substances will<br>B of BS EN 771-4 | l only be given when and where required in the<br>4:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6300599

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars. Full name: Carl Cuthbert

Signed on behalf of the manufacturer:

As la lathering

Position: Quality Manager

|   | Declaration of Performance<br>DOP/HANUK/TH/6300605                                     |  |                                  |  |  |
|---|--|--|----------------------------------|--|--|
|   | The undersigned, representing the following:   |  |                                  |  |  |
| 5 Grange Pa   | ding Products Limited<br>rk Court, Roman Way<br>npton, NN4 5EA                         | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                  |  |  |
| BS E  | N 771-4:2011   |  | Conf                             | irms that:   |  |
| F   | arty Wall<br>12  |  | Par                              | ty Wall<br>12  |  |
| Category II, 440 x 215 x 215 mm   | autoclaved aerated concrete masonry units  | Conforms to the  | e Harmonised Eur                 | ropean Standard: BS EN 771-4:2011                              |  |
| <b>Dimensions:</b> 440 (mm) x 215 (mm) x 215 (mm)                                       |  | Category II, 440 x 2   | 15 x 215 mm, au                  | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:  | Solid  | Dimensional tolerances:  |                                  |  |  |
| Compressive strength:   | Mean 4.00 $\text{N/mm}^2$ [ $\scriptscriptstyle \perp$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:   | NPD  | Moist<br>Shear Bond strength:  | ture Movement:                   | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  | Ū  |                                  | NPD  |  |
| Water vapour diffusion coefficient :  |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Fixed Value:  | 5/10   | Water absorption:  |                                  | NPD  |  |
| Direct airborne sound insulation:   |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:              | 5/10   |  |
| Gross density:  | 0  | Direct airborne sound insulation:  | :                                |  |  |
| Configuration:  |  |  | Gross density:<br>Configuration: | 660 kg/m³<br>As above  |  |
| Thermal conductivity:   | 0.14 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  | 0                                | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Durability against freeze-thaw:   | NPD  | Durability against freeze-thaw:  |                                  | NPD  |  |
| Dangerous Substances:   | See Note   | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.                           | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                                  | only be given when and where required in the<br>b:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300605

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

As la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Build<br>5 Grange Park<br>Northam   | Declaration of Performance<br>DOP/HANUK/TH/6301213<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |   |  |
|--|--|--|---------------------|---|--|
| BS EN  | 1 771-4:2011   |  | Confi               | rms that:   |  |
| Large For  | rmat Party Wall<br>12  |  | Large Forr          | nat Party Wall<br>12                                  |  |
| Category II, 440 x 100 x 430 mm a  | utoclaved aerated concrete masonry units   | Conforms to the Harmonised European Standard: BS EN 771-4:2011   |                     |   |  |
| Dimensions: 440 (mm) x 100 (mm) x 430 (mm)<br>Dimensional tolerances:                      | GPLM (unless stated otherwise on the delivery  | Category II, 440 x 100 x 430 mm, autoclaved aerated concrete masonry units   |                     |   |  |
| category:  | ticket)  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |   |  |
| Configuration:   | Solid  | Dimensional tolerances:  | category:           | GPLM (unless stated otherwise on the delivery ticket) |  |
| Compressive strength:  | Mean 4.00 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]   | Configuration:   | category.           | Solid   |  |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 4.00 N/mm² [⊥ bed face, whole unit]. [Cat II]    |  |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |   |  |
| Flexural Bond Strength:  | NPD  | MOIST<br>Shear Bond strength:  | ure Movement:       | Nominal 0.50 mm/m                                     |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup><br>NPD                         |  |
| Water Absorption:  | NPD  | Reaction to fire:  |                     |   |  |
| Water vapour diffusion coefficient :<br>Fixed Value:                                       | 5/10   |  |                     | Euroclass A1  |  |
| Direct airborne sound insulation:  | 5/10   | Water absorption:  |                     | NPD   |  |
| Gross density:   | 660 kg/m <sup>3</sup>  | Water vapour diffusion coefficien  | it:<br>Fixed Value: | 5/10  |  |
| Configuration:   | As Above   | Direct airborne sound insulation:  |                     | 660 kg/m <sup>3</sup>                                 |  |
| Thermal conductivity:  | 0.14 W/m.K [λ <sub>10.drv unit</sub> . S2]   | <b>_</b>   | Configuration:      | As above  |  |
| Durability against freeze-thaw:  | NPD  | Thermal conductivity:  |                     | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]             |  |
|  |  | Durability against freeze-thaw:  |                     | NPD   |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                     | See Note  |  |
| Note: Information on Dangerous substances v<br>appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the<br>'1-4:2011.  | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                     | only be given when and where required in the :2011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301213

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlere Full name: Carl Cuthbert

Position: Quality Manager

# - FORTERRA

#### **Declaration of Performance** DOP/HANUK/TH/6301145 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Flooring Slip Flooring Slip 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 215 x 100 x 40 mm autoclaved aerated concrete masonry units Category II, 215 x 100 x 40 mm, autoclaved aerated concrete masonry units Dimensions: 215 (mm) x 100 (mm) x 40 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: GPLM (unless stated otherwise on the delivery ticket) category: Mean 7.30 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 7.30 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: **Dimensional stability:** 0.15 N/mm<sup>2</sup> Fixed value: Nominal 0 50 mm/m Moisture Movement Flexural Bond Strength: NPD Reaction to fire: Euroclass A1 NPD Water Absorption: Water vapour diffusion coefficient : Fixed Value: 5/10 Direct airborne sound insulation: Gross density: 730 kg/m<sup>3</sup> Configuration: As Above Thermal conductivity: 0.16 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6301145

| Fixed value:   | 0.15 N/mm <sup>2</sup>                         |   |
|----------------|--|---|
|                | NPD  |   |
|                | Euroclass A1                                   |   |
|                | NPD  |   |
| ient:          |  |   |
| Fixed Value:   | 5/10   |   |
|                | $720  kg/m^3$                                  |   |
| Configuration: | As above                                       |   |
| -              | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]      |   |
|                | NPD  |   |
|                | See Note                                       |   |
|                | ient:<br>Fixed Value:<br>on:<br>Gross density: | NPD<br>Euroclass A1<br>NPD<br>ient:<br>Fixed Value: 5/10<br>on:<br>Gross density: 730 kg/m <sup>3</sup><br>Configuration: As above<br>0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>NPD |

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ala latheres Full name: Carl Cuthbert

Position: Quality Manager

# - FORTERRA

#### **Declaration of Performance** DOP/HANUK/TH/6300018 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Flooring Slip Flooring Slip 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 215 x 100 x 65 mm autoclaved aerated concrete masonry units Category II, 215 x 100 x 65 mm, autoclaved aerated concrete masonry units Dimensions: 215 (mm) x 100 (mm) x 65 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: GPLM (unless stated otherwise on the delivery ticket) category: Mean 7.30 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 7.30 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: 0.15 N/mm<sup>2</sup> Fixed value: Flexural Bond Strength: NPD Reaction to fire: Euroclass A1 NPD Water Absorption: Water vapour diffusion coefficient : Fixed Value: 5/10 Direct airborne sound insulation: Gross density: 730 kg/m<sup>3</sup> Configuration: As Above Thermal conductivity: 0.16 W/m.K [λ<sub>10,dry unit</sub>, S2] NPD Durability against freeze-thaw: **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6300018

| Dimensional stability:      | Moisture Movement:               | Nominal 0.50 mm/m                          |
|-----------------------------|----------------------------------|--|
| Shear Bond strength:        | woisture wovement.               | Nominal 0.50 mm/m                          |
| 2000 2000 00 00 gen         | Fixed value:                     | 0.15 N/mm <sup>2</sup>                     |
| Flexural Bond Strength:     |                                  | NPD  |
| Reaction to fire:           |                                  | Euroclass A1                               |
| Water absorption:           |                                  | NPD  |
| Water vapour diffusion co   | efficient:                       |  |
|                             | Fixed Value:                     | 5/10                                       |
| Direct airborne sound inst  | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above          |
| Thermal conductivity:       | <u>j</u>                         | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2] |
| Durability against freeze-t | haw:                             | NPD  |
| Dangerous Substances:       |                                  | See Note                                   |

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathere Full name: Carl Cuthbert

Position: Quality Manager

|                                      | (          | · <b>F</b>   |   | Dec  |                     | of Performance<br>JK/TH/6301343                                |  |
|--------------------------------------|------------|--|---|--|---------------------|--|--|
|                                      |            |  |   | The undersigned, representing the following:   |                     |  |  |
|                                      | range Par  | ing Products Limited<br>k Court, Roman Way<br>pton, NN4 5EA              |   | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |  |  |
|                                      | BS EI      | N 771-4:2011   |   |  | Conf                | irms that:   |  |
|                                      | Floo       | r End Block<br>12  |   |  | Floor               | End Block<br>12  |  |
| Category II 440 x 150 x              | 140 mm a   | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | Harmonised Eu       | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 150 (mm) x    |            | atolaved derated concrete masonry units                                  |   | Category II, 440 x 1   | 50 x 140 mm, au     | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:              | category:  | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:                       |            | Solid  |   | Dimensional tolerances:  |                     | <b>v</b> , ,   |  |
| Compressive strength:                |            | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture M   | ovement:   | Nominal 0.50 mm/m  |   | Compressive strength:  |                     | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fix          | ed value:  | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:              |            | NPD  |   | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:                    |            | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:        |  |  |
| Water Absorption:                    |            | NPD  |   | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient : |            | 5/10   |   |  |                     | Euroclass A1   |  |
| Direct airborne sound insulation:    | ed Value:  | 5/10   |   | Water absorption:  |                     | NPD  |  |
| Gros                                 | s density: | 730 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
| Cont                                 | iguration: | As Above   |   | Direct airborne sound insulation:  | :<br>Gross density: | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:                | -          | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                                |   | Thermal conductivity:  | Configuration:      | As above   |  |
| Durability against freeze-thaw:      |            | NPD  |   |  |                     | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:                |            | See Note   |   | Durability against freeze-thaw:  |                     | NPD  |  |
| Note: Information on Dangerous out   | etances    | will only be given when and where required in the                        |   | Dangerous Substances:<br>Note: Information on Dangerous  | substances will     | See Note I only be given when and where required in the        |  |
| appropriate form. See Annex ZA3 of   |            |  | J | appropriate form. See Annex ZA3  |                     |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301343

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

ticket)

| 5 Grange Par  | ling Products Limited<br>k Court, Roman Way<br>opton, NN4 5EA            | [<br>  | DOP/HANU<br>The undersigned, re<br>Forterra Buildin<br>5 Grange Park | <b>IF Performance</b><br>IK/TH/6301350<br>presenting the following:<br>Ig Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |
|---|--|--|--|--|
| BS EI   | N 771-4:2011   |  | Confi  | rms that:  |
| Floor   | r End Block<br>12  |  | Floor I  | End Block<br>12  |
| Category II 440 x 175 x 140 mm a  | nutoclaved aerated concrete masonry units                                | Conforms   | to the Harmonised Eur  | opean Standard: BS EN 771-4:2011   |
|   |  | Category II, 44  | 40 x 175 x 140 mm,au   | toclaved aerated concrete masonry units  |
| Dimensions: 440 (mm) x 175 (mm) x 140 (mm)<br>Dimensional tolerances:<br>category:      | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the p                                 |  | ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011   |
| Configuration:  | Solid  | Dimensional tolerances:                                  |  | <u> </u>   |
| Compressive strength:   | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket<br>Solid  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  | Compressive strength:                                    |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]   |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:                                   |  |  |
| Flexural Bond Strength:   | NPD  | Shear Bond strength:                                     | Moisture Movement:   | Nominal 0.50 mm/m  |
| Reaction to fire:   | Euroclass A1   | Flexural Bond Strength:                                  | Fixed value:   | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:   | NPD  | -  |  | NPD  |
| Water vapour diffusion coefficient :  |  | Reaction to fire:  |  | Euroclass A1   |
| Fixed Value:<br>Direct airborne sound insulation:                                       | 5/10   | Water absorption:  |  | NPD  |
| Gross density:  | 730 kg/m <sup>3</sup>  | Water vapour diffusion coe                               | fficient:<br>Fixed Value:  | 5/10   |
| Configuration:  | C C C C C C C C C C C C C C C C C C C                                    | Direct airborne sound insul                              |  | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |  | Configuration:   | As above   |
| Durability against freeze-thaw:   | NPD  | Thermal conductivity:                                    |  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |
| Dangerous Substances:   | See Note   | Durability against freeze-the                            | aw:  | NPD  |
| Dungerous Oubstances.   |  | Dangerous Substances:                                    |  | See Note   |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.             | Note: Information on Dange<br>appropriate form. See Anne | erous substances will<br>ex ZA3 of BS EN 771-4                       | only be given when and where required in the<br>1:2011.  |

See Also Declaration of Performance DOP/HANUK/TH/6301350

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

|  | CE   |  | DOP/HANU                            | Df Performance<br>JK/TH/6301558<br>epresenting the following:  |  |
|--|--|--|-------------------------------------|--|--|
| 5 Grange I   | uilding Products Limited<br>Park Court, Roman Way<br>ampton, NN4 5EA   | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                     |  |  |
| BS   | EN 771-4:2011  |  | Conf                                | ïrms that:   |  |
| FI   | oor End Block<br>12  |  | Floor                               | End Block<br>12  |  |
| Category II. 530 x 440 x 145 m   | n autoclaved aerated concrete masonry units                            | Conforms to the  | Harmonised Eu                       | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 530 (mm) x 440 (mm) x 145 (m   |  | Category II, 530 x 44  | 40 x 145 mm, au                     | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:<br>catego  | GPLM (unless stated otherwise on the delivery                          | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                     |  |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogonu                            | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:  | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                           | Solid  |  |
| Dimension Stability:<br>Moisture Moveme  | nt: Nominal 0.50 mm/m  | Compressive strength:  |                                     | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value  | e: 0.15 N/mm <sup>2</sup>  | Dimensional stability:   |                                     |  |  |
| Flexural Bond Strength:  | NPD  | Moist<br>Shear Bond strength:  | ture Movement:                      | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  | Reaction to fire:  |                                     | NPD  |  |
| Water vapour diffusion coefficient :   |  |  |                                     | Euroclass A1   |  |
| Fixed Valu<br>Direct airborne sound insulation:                                  | e: 5/10  | Water absorption:  |                                     | NPD  |  |
| Gross densi  | ty: 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:                 | 5/10   |  |
| Configuratio   | , ,  | Direct airborne sound insulation:  | :                                   |  |  |
| Thermal conductivity:  |  |  | Gross density:<br>Configuration:    |  |  |
|  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                              | Thermal conductivity:  |                                     | 0.16 W/m.K [ $\lambda_{10,dry unit}$ , S2]                     |  |
| Durability against freeze-thaw:  | NPD  | Durability against freeze-thaw:  |                                     | NPD  |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                                     | See Note   |  |
| Note: Information on Dangerous substanc appropriate form. See Annex ZA3 of BS EN | es will only be given when and where required in the 1771-4:2011.      | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  | substances will<br>3 of BS EN 771-4 | l only be given when and where required in the<br>4:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6301558

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| CE  |          |  |   |  | DOP/HANU                         | Df Performance<br>JK/TH/6300216                                |  |
|---|----------|--|---|--|----------------------------------|--|--|
| 5 Gra   | nge Park | ng Products Limited<br>: Court, Roman Way<br>pton, NN4 5EA               |   |  | 5 Grange Park                    | ng Products Limited<br>Court, Roman Way<br>tton, NN4 5EA       |  |
|   | BS EN    | 771-4:2011   |   |  | Confi                            | irms that:   |  |
|   | Hi S     | trength 7<br>12  |   |  | Hi St                            | trength 7<br>12  |  |
| Category II, 440 x 100 x 2  | 15 mm a  | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | e Harmonised Eur                 | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 100 (mm) x 21  | 5 (mm)   |  |   | Category II, 440 x 1   | 00 x 215 mm, au                  | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:   | tegory:  | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:  |          | Solid  |   | Dimensional tolerances:  | ootogon                          | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:   |          | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:                        | Solid  |  |
| Dimension Stability:<br>Moisture Mov  | ement:   | Nominal 0.50 mm/m  |   | Compressive strength:  |                                  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed   | l value: | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:   |          | NPD  |   | Moise<br>Shear Bond strength:  | ture Movement:                   | Nominal 0.50 mm/m  |  |
| Reaction to fire:   |          | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   |          | NPD  |   | Reaction to fire:  |                                  | NPD  |  |
| Water vapour diffusion coefficient :  |          |  |   |  |                                  | Euroclass A1   |  |
| Fixed<br>Direct airborne sound insulation:                                  | Value:   | 5/10   |   | Water absorption:  |                                  | NPD  |  |
|   | density: | 730 ka/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value:              | 5/10   |  |
|   | uration: | As Above   |   | Direct airborne sound insulation   | :                                |  |  |
| , i i i i i i i i i i i i i i i i i i i                                     | uration. |  |   |  | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above                              |  |
| Thermal conductivity:   |          | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |   | Thermal conductivity:  |                                  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Durability against freeze-thaw:   |          | NPD  |   | Durability against freeze-thaw:  |                                  | NPD  |  |
| Dangerous Substances:   |          | See Note   |   | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dangerous subs<br>appropriate form. See Annex ZA3 of B |          | vill only be given when and where required in the 1-4:2011.              | J | Note: Information on Dangerous<br>appropriate form. See Annex ZA   |                                  | l only be given when and where required in the<br>4:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6300216

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars. Full name: Carl Cuthbert

Signed on behalf of the manufacturer:

ale la lathering

Position: Quality Manager

| C   | E  |     |  | DOP/HANU            | of Performance<br>JK/TH/6300230                                      |  |
|---|--|-----|--|---------------------|--|--|
| Fosterro Duild  | ing Draduate Limited   |     | Ihe  | e undersigned, re   | presenting the following:  |  |
| 5 Grange Par  | ing Products Limited<br>k Court, Roman Way<br>pton, NN4 5EA            |     |  | 5 Grange Park       | ig Products Limited<br>Court, Roman Way<br>ton, NN4 5EA              |  |
| BS EI   | N 771-4:2011   |     |  | Confi               | irms that:   |  |
| Hit   | Strength 7<br>12   |     |  | Hi St               | rength 7<br>12   |  |
| Category II. 440 x 115 x 215 mm a   | utoclaved aerated concrete masonry units                               |     | Conforms to the  | Harmonised Eur      | ropean Standard: BS EN 771-4:2011                                    |  |
| Dimensions: 440 (mm) x 115 (mm) x 215 (mm)  | ····· , -···· , -····  |     | Category II, 440 x 1   | 15 x 215 mm,au      | toclaved aerated concrete masonry units                              |  |
| Dimensional tolerances:<br>category:  | GPLM (unless stated otherwise on the delivery ticket)                  |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:  | Solid  |     | Dimensional tolerances:  |                     |  |  |
| Compressive strength:   | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid       |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |     | Compressive strength:  |                     | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]                   |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:   | NPD  |     | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  |     | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :  | 5/40   |     |  |                     | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:                                       | 5/10   |     | Water absorption:  |                     | NPD  |  |
| Gross density:  | 730 kg/m <sup>3</sup>  |     | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
| Configuration:  | ·  |     | Direct airborne sound insulation:  | :<br>Gross density: | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                              |     | Thermal conductivity:  | Configuration:      | As above   |  |
| Durability against freeze-thaw:   | NPD  |     | -  |                     | $0.16 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit, }} S2\right]$ |  |
| Dangerous Substances:   | See Note   |     | Durability against freeze-thaw:  |                     | NPD  |  |
|   |  |     | Dangerous Substances:<br>Note: Information on Dangerous  | substances will     | See Note only be given when and where required in the                |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the<br>71-4:2011.        | J I | appropriate form. See Annex ZA3  | 3 of BS EN 771-4    | 1:2011.  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300230

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

|   | C                    | E  |  | DOP/HANU            | f Performance  |  |
|---|----------------------|--|--|---------------------|--|--|
|   | Forterra Buildir     | ng Products Limited  | Ine  | <b>.</b> .          | presenting the following:  |  |
|   | 5 Grange Park        | Court, Roman Way<br>oton, NN4 5EA                              |  | 5 Grange Park       | g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA               |  |
|   | BS EN                | 771-4:2011   |  | Confi               | rms that:  |  |
|   | Hi Si                | trength 7<br>12  |  | Hi St               | rength 7<br>12   |  |
| Category II. 440 x 12   | 25 x 215 mm au       | toclaved aerated concrete masonry units                        | Conforms to the  | e Harmonised Eur    | opean Standard: BS EN 771-4:2011                                     |  |
| Dimensions: 440 (mm) x 125 (mm                                    |                      |  | Category II, 440 x 1   | 25 x 215 mm,  au    | toclaved aerated concrete masonry units                              |  |
| Dimensional tolerances:   | category:            | GPLM (unless stated otherwise on the delivery ticket)          | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:  |                      | Solid  | Dimensional tolerances:  | ootogon <i>i</i> :  | CPI M (uplose stated athenuise on the delivery ticket)               |  |
| Compressive strength:   |                      | Mean 7.30 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II]   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid       |  |
|   | e Movement:          | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]                   |  |
| Shear Bond Strength:  | Fixed value:         | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:   |                      | NPD  | Moise<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   |                      | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   |                      | NPD  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficier                                 | nt :<br>Fixed Value: | 5/10   |  |                     | Euroclass A1   |  |
| Direct airborne sound insulation                                  |                      | 5/10   | Water absorption:  |                     | NPD  |  |
| G   | coss density:        | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
|   | Configuration:       | As Above   | Direct airborne sound insulation   | :<br>Gross density: | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   |                      | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     | Thermal conductivity:  | Configuration:      | As above   |  |
| Durability against freeze-thaw:                                   |                      | NPD  | Durability against freeze-thaw:  |                     | $0.16 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit, }} S2\right]$ |  |
| Dangerous Substances:   |                      | See Note   |  |                     | NPD  |  |
| Note: Information on Dangerous<br>appropriate form. See Annex ZA3 |                      | vill only be given when and where required in the<br>1-4:2011. | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                     | See Note<br>only be given when and where required in the<br>b:2011.  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300247

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| (  | E  |   | Dec  |  | of Performance<br>JK/TH/6300261                                |  |
|--|--|---|--|--|--|--|
|  |  |   | The  | The undersigned, representing the following: |  |  |
| 5 Grange Par   | ing Products Limited<br>k Court, Roman Way<br>pton, NN4 5EA              |   |  | 5 Grange Park                                | ig Products Limited<br>Court, Roman Way<br>ton, NN4 5EA        |  |
| BS EI  | N 771-4:2011   |   |  | Confi  | irms that:   |  |
| Hit  | Strength 7<br>12   |   |  | Hi St  | rength 7<br>12   |  |
| Category II 440 x 140 x 215 mm a   | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | Harmonised Eur                               | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 140 (mm) x 215 (mm)   | accounted condicts indoniny drifts                                       |   | Category II, 440 x 1   | 40 x 215 mm, au                              | itoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |  |  |
| Configuration:   | Solid  |   | Dimensional tolerances:  | ootogon <i>i</i> :                           | CPI M (uplace stated athenuise on the delivery ticket)         |  |
| Compressive strength:  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:                                    | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  |   | Compressive strength:  |  | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |  |  |  |
| Flexural Bond Strength:  | NPD  |   | Moisi<br>Shear Bond strength:  | ture Movement:                               | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:                                 | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  |   | Reaction to fire:  |  | NPD  |  |
| Water vapour diffusion coefficient :   | 5/40   |   |  |  | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:                                    | 5/10   |   | Water absorption:  |  | NPD  |  |
| Gross density:   | 730 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value:                          | 5/10   |  |
| Configuration:   | ·  |   | Direct airborne sound insulation:  |  | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |   |  | Configuration:                               | As above   |  |
| Durability against freeze-thaw:  | NPD  |   | Thermal conductivity:  |  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:  | See Note   |   | Durability against freeze-thaw:  |  | NPD  |  |
| Dangerous Substances.  |  |   | Dangerous Substances:  |  | See Note   |  |
| Note: Information on Dangerous substances appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.             | J | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  | substances will<br>3 of BS EN 771-4          | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300261

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| (  | E  |     | Dec  |  | of Performance<br>JK/TH/6300285                                |  |
|--|--|-----|--|--|--|--|
|  |  |     | The undersigned, representing the following:   |  |  |  |
| 5 Grange Par   | ling Products Limited<br>k Court, Roman Way<br>ıpton, NN4 5EA            |     |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |  |
| BS EI  | N 771-4:2011   |     |  | Confi  | irms that:   |  |
| Hit  | Strength 7<br>12   |     |  | Hi St  | rength 7<br>12   |  |
| Category II 440 x 150 x 215 mm a   | nutoclaved aerated concrete masonry units                                |     | Conforms to the  | Harmonised Eur   | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 150 (mm) x 215 (mm)   |  |     | Category II, 440 x 1   | 50 x 215 mm, au  | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery                            |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |  |  |
| Configuration:   | Solid  |     | Dimensional tolerances:  | ootogon "  | CDI M (uplace stated athenuise on the delivery ticket)         |  |
| Compressive strength:  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  |     | Compressive strength:  |  | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |  |  |  |
| Flexural Bond Strength:  | NPD  |     | Mois<br>Shear Bond strength:   | ture Movement:   | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  |     | Reaction to fire:  |  | NPD  |  |
| Water vapour diffusion coefficient :   | 5/40   |     |  |  | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:                                    | 5/10   |     | Water absorption:  |  | NPD  |  |
| Gross density:   | 730 kg/m <sup>3</sup>  |     | Water vapour diffusion coefficier  | nt:<br>Fixed Value:  | 5/10   |  |
| Configuration:   | -  |     | Direct airborne sound insulation   | :<br>Gross density:  | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |     |  | Configuration:   | As above   |  |
| Durability against freeze-thaw:  | NPD  |     | Thermal conductivity:  |  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:  | See Note   |     | Durability against freeze-thaw:  |  | NPD  |  |
| -  |  |     | Dangerous Substances:  |  | See Note   |  |
| Note: Information on Dangerous substances appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.             | J I | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  | substances will<br>3 of BS EN 771-4  | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300285

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

|  | (         | E  |  | DOP/HANU                         | of Performance<br>JK/TH/6300292                         |  |
|--|-----------|--|--|----------------------------------|---|--|
| 5 Gra  | ange Park | ng Products Limited<br>: Court, Roman Way<br>oton, NN4 5EA               | The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                                  |   |  |
|  | BS EN     | 771-4:2011   |  | Confi                            | irms that:  |  |
|  | Hi S      | trength 7<br>12  |  | Hi St                            | rength 7<br>12  |  |
| Category II, 440 x 190 x 2   | 15 mm a   | utoclaved aerated concrete masonry units                                 | Conforms to the  | e Harmonised Eur                 | ropean Standard: BS EN 771-4:2011                       |  |
| Dimensions: 440 (mm) x 190 (mm) x 2  | 15 (mm)   |  | Category II, 440 x 1   | 90 x 215 mm, au                  | itoclaved aerated concrete masonry units                |  |
| Dimensional tolerances:  | ategory:  | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011                       |                                  |   |  |
| Configuration:   |           | Solid  | Dimensional tolerances:  | category;                        | GPLM (unless stated otherwise on the delivery ticket)   |  |
| Compressive strength:  |           | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | Solid   |  |
| Dimension Stability:<br>Moisture Mo  | vement:   | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]      |  |
| Shear Bond Strength:<br>Fixe   | d value:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |   |  |
| Flexural Bond Strength:  |           | NPD  | Mois<br>Shear Bond strength:   | ture Movement:                   | Nominal 0.50 mm/m                                       |  |
| Reaction to fire:  |           | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>                                  |  |
| Water Absorption:  |           | NPD  | Reaction to fire:  |                                  | NPD   |  |
| Water vapour diffusion coefficient :                                       |           | - // 0   |  |                                  | Euroclass A1  |  |
| Direct airborne sound insulation:  | d Value:  | 5/10   | Water absorption:  |                                  | NPD   |  |
|  | density:  | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:              | 5/10  |  |
|  | uration:  | As Above   | Direct airborne sound insulation   | :                                |   |  |
|  | juration. |  |  | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above                       |  |
| Thermal conductivity:  |           | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               | Thermal conductivity:  |                                  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]              |  |
| Durability against freeze-thaw:  |           | NPD  | Durability against freeze-thaw:  |                                  | NPD   |  |
| Dangerous Substances:  |           | See Note   | Dangerous Substances:  |                                  | See Note  |  |
| Note: Information on Dangerous sub<br>appropriate form. See Annex ZA3 of I |           | vill only be given when and where required in the 1-4:2011.              | Note: Information on Dangerous<br>appropriate form. See Annex ZA   |                                  | only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300292

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

|   | C        | E  |  | DOP/HANU            | DF Performance<br>JK/TH/6300308<br>presenting the following: |  |
|---|----------|--|--|---------------------|--|--|
| 5 Gra   | nge Park | ng Products Limited<br>c Court, Roman Way<br>pton, NN4 5EA               | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |  |  |
|   | BS EN    | I 771-4:2011   |  | Confi               | irms that:   |  |
|   | Hi S     | Strength 7<br>12   |  | Hi St               | rength 7<br>12   |  |
| Category II, 440 x 200 x 21   | 5 mm a   | utoclaved aerated concrete masonry units                                 | Conforms to the  | e Harmonised Eur    | ropean Standard: BS EN 771-4:2011                            |  |
| Dimensions: 440 (mm) x 200 (mm) x 21  | 5 (mm)   | -  | Category II, 440 x 2   | 00 x 215 mm, au     | itoclaved aerated concrete masonry units                     |  |
| Dimensional tolerances:   | tegory:  | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:  |          | Solid  | Dimensional tolerances:  | category;           | GPLM (unless stated otherwise on the delivery ticket)        |  |
| Compressive strength:   |          | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:           | Solid  |  |
| Dimension Stability:<br>Moisture Mov  | ement:   | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]           |  |
| Shear Bond Strength:<br>Fixed   | l value: | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:   |          | NPD  | Shear Bond strength:   | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   |          | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>                                       |  |
| Water Absorption:   |          | NPD  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :  | N/-1     | 5/40   |  |                     | Euroclass A1   |  |
| Direct airborne sound insulation:   | Value:   | 5/10   | Water absorption:  |                     | NPD  |  |
|   | lensity: | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
|   | uration: | As Above   | Direct airborne sound insulation   |                     | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   |          | 0.16 W/m.K [λ <sub>10.dry unit</sub> , S2]                               |  | Configuration:      | As above   |  |
| Durability against freeze-thaw:   |          | NPD  | Thermal conductivity:  |                     | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                    |  |
| Dangerous Substances:   |          | See Note   | Durability against freeze-thaw:  |                     | NPD  |  |
| Dangerous Substances.   |          | Jee Note   | Dangerous Substances:  |                     | See Note   |  |
| Note: Information on Dangerous subs<br>appropriate form. See Annex ZA3 of B |          | vill only be given when and where required in the<br>'1-4:2011.          | Note: Information on Dangerous<br>appropriate form. See Annex ZA   |                     | only be given when and where required in the<br>I:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6300308

Signed on behalf of the anufacturer: Full name: Carl Cuthbert

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Position: Quality Manager

| Forterra Build<br>5 Grange Parl<br>Northam   |  |     | DOP/HANL<br>e undersigned, re<br>Forterra Buildin<br>5 Grange Park   | of Performance<br>NK/TH/6300315<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |  |
|--|--|-----|--|--|--|
| BS EN  | 771-4:2011   |     |  | Confi  | rms that:  |
| Hi S   | Strength 7<br>12   |     |  | Hi St  | rength 7<br>12   |
| Category II. 440 x 215 x 215 mm a  | utoclaved aerated concrete masonry units                                     |     | Conforms to the  | Harmonised Eur   | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 440 (mm) x 215 (mm) x 215 (mm)   | ,,   |     | Category II, 440 x 2   | 15 x 215 mm,  au   | toclaved aerated concrete masonry units                        |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)                        |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |  |
| Configuration:   | Solid  |     | Dimensional tolerances:  | ootogon "  |  |
| Compressive strength:  | Mean 7.30 $\text{N/mm}^2$ [ $_{\!\!\!\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  |     | Compressive strength:  |  | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]             |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |  |  |
| Flexural Bond Strength:  | NPD  |     | Moist<br>Shear Bond strength:  | ture Movement:   | Nominal 0.50 mm/m  |
| Reaction to fire:  | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:  | NPD  |     | Reaction to fire:  |  | NPD  |
| Water vapour diffusion coefficient :   | 5/40   |     |  |  | Euroclass A1   |
| Fixed Value:<br>Direct airborne sound insulation:  | 5/10   |     | Water absorption:  |  | NPD  |
| Gross density:   | 730 kg/m <sup>3</sup>  |     | Water vapour diffusion coefficier  | nt:<br>Fixed Value:  | 5/10   |
| Configuration:   | ů –  |     | Direct airborne sound insulation:  | :<br>Gross density:  | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                                   |     | Thermal conductivity:  | Configuration:   | As above   |
| Durability against freeze-thaw:  | NPD  |     | -  |  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |
| Dangerous Substances:  | See Note   |     | Durability against freeze-thaw:  |  | NPD  |
| -  | · · · · · · · · · · · · · · · · · · ·  |     | Dangerous Substances:<br>Note: Information on Dangerous  | substances will  | See Note only be given when and where required in the          |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 77 | will only be given when and where required in the<br>′1-4:2011.              | j l | appropriate form. See Annex ZA3  |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300315

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                   |   |  | DOP/HANU<br>The undersigned, rej<br>Forterra Buildin<br>5 Grange Park<br>Northampt | AF Performance<br>WK/TH/6301305<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA<br>rms that: |
|--|-------------------|---|--|--|---|
|  | Large Form        | nat Hi Strength 7<br>12   |  | Large Forma  | at Hi Strength 7<br>12  |
| Category II, 440<br>Dimensions: 440 (mm) x 100<br>Dimensional tolerances:  |                   | utoclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery | Category II, 440   | x 100 x 430 mm,au  | opean Standard: <b>BS EN 771-4:2011</b><br>toclaved aerated concrete masonry units  |
| Dimensional tolerances.  | category:         | ticket)   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |
| Configuration:   |                   | Solid   | Dimensional tolerances:  | category:  | GPLM (unless stated otherwise on the delivery ticket)   |
| Compressive strength:  |                   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]                            | Configuration:   |  | Solid   |
| Dimension Stability:<br>Mc<br>Shear Bond Strength:   | oisture Movement: | Nominal 0.50 mm/m   | Compressive strength:  |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |
| Flexural Bond Strength:  | Fixed value:      | 0.15 N/mm <sup>2</sup><br>NPD   |  | oisture Movement:  | Nominal 0.50 mm/m   |
|  |                   |   | Shear Bond strength:   | Fixed value:   | 0.15 N/mm <sup>2</sup>  |
| Reaction to fire:  |                   | Euroclass A1  | Flexural Bond Strength:  |  | NPD   |
| Water Absorption:<br>Water vapour diffusion coef   | fficient :        | NPD   | Reaction to fire:  |  | Euroclass A1  |
|  | Fixed Value:      | 5/10  | Water absorption:  |  | NPD   |
| Direct airborne sound insula   | ation:            |   | Water vapour diffusion coeffic   |  |   |
|  | Gross density:    | 730 kg/m <sup>3</sup>   | Direct airborne sound insulati   | Fixed Value:<br>on:  | 5/10  |
|  | Configuration:    | As Above  |  | Gross density:<br>Configuration:   | 730 kg/m <sup>3</sup><br>As above   |
| Thermal conductivity:  |                   | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]   | Thermal conductivity:  | Comgutation.   | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Durability against freeze-tha  | aw:               | NPD   | Durability against freeze-thaw   | :  | NPD   |
| Dangerous Substances:  |                   | See Note  | Dangerous Substances:  |  | See Note  |
| Note: Information on Dange<br>appropriate form. See Anne:  |                   | vill only be given when and where required in the 1-4:2011.                               | e e e e e e e e e e e e e e e e e e e  |  | only be given when and where required in the  |

See Also Declaration of Performance DOP/HANUK/TH/6301305

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                                  |  |  | DOP/HANU<br>The undersigned, rep<br>Forterra Buildin<br>5 Grange Park<br>Northampt | of Performance<br>W/TH/6301312<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA<br>rms that:  |
|--|----------------------------------|--|--|--|---|
|  | Large Form                       | nat Hi Strength 7<br>12  |  | Large Forma  | at Hi Strength 7<br>12  |
| Category II, 440<br>Dimensions: 440 (mm) x 140<br>Dimensional tolerances:  |                                  | utoclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) | Category II, 440   | x 140 x 430 mm, au<br>oduct conforms: Sta  | opean Standard: <b>BS EN 771-4:2011</b><br>toclaved aerated concrete masonry units<br>ndard: Annex ZA of BS EN 771-4:2011, System 4 |
| Configuration:   | category.                        | Solid  | Dimensional tolerances:  | category:  | gulation (EU): 305/2011<br>GPLM (unless stated otherwise on the delivery ticket)  |
| Compressive strength:<br>Dimension Stability:  |                                  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II]                             | Configuration:   |  | Solid   |
|  | pisture Movement:                | Nominal 0.50 mm/m  | Compressive strength:  |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |
| Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup><br>NPD  | Dimensional stability:<br>M<br>Shear Bond strength:                                  | loisture Movement:   | Nominal 0.50 mm/m   |
| Reaction to fire:  |                                  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup><br>NPD   |
| Water Absorption:  |                                  | NPD  | Reaction to fire:  |  | Euroclass A1  |
| Water vapour diffusion coef  | ficient :<br>Fixed Value:        | 5/10   | Water absorption:  |  | NPD   |
| Direct airborne sound insula   |                                  | 700 1 / 3  | Water vapour diffusion coeffic   |  |   |
|  | Gross density:<br>Configuration: | 730 kg/m³<br>As Above  | Direct airborne sound insulat  |  | 5/10  |
| Thermal conductivity:  | Comgulation.                     | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]   | <b>-</b>   | Gross density:<br>Configuration:   | 730 kg/m <sup>3</sup><br>As above   |
| Durability against freeze-tha  | aw:                              | NPD  | Thermal conductivity:  |  | $0.16 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit, }} S2\right]$  |
| Dangerous Substances:  |                                  | See Note   | Durability against freeze-thaw   | v:   | NPD   |
| Note: Information on Danger<br>appropriate form. See Annex   |                                  | vill only be given when and where required in the 1-4:2011.  | Dangerous Substances:<br>Note: Information on Dangero<br>appropriate form. See Annex |  | See Note<br>only be given when and where required in the<br>:2011.  |

See Also Declaration of Performance DOP/HANUK/TH/6301312

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                            |  |  | DOP/HANU<br>The undersigned, rep<br>Forterra Buildin<br>5 Grange Park<br>Northampt | AF Performance<br>W/TH/6301541<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA<br>rms that: |
|--|----------------------------|--|--|--|--|
|  | Large Form                 | nat Hi Strength 7<br>12  |  |  | at Hi Strength 7<br>12   |
| Category II, 440 x 150   | ) x 430 mm au              | utoclaved aerated concrete masonry units                               | Conforms to  | the Harmonised Eur   | opean Standard: BS EN 771-4:2011   |
| <b>Dimensions:</b> 440 (mm) x 150 (mm)   |                            |  | Category II, 440   | x 150 x 430 mm, au   | toclaved aerated concrete masonry units  |
| Dimensional tolerances:  | category:                  | GPLM (unless stated otherwise on the delivery ticket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |  |
| Configuration:   |                            | Solid  | Dimensional tolerances:  | category   | GPI M (uplace stated otherwise on the delivery ticket)   |
| Compressive strength:  |                            | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid   |
|  | Movement:                  | Nominal 0.50 mm/m  | Compressive strength:  |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]   |
| Shear Bond Strength:<br>F  | ixed value:                | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | -i-t Manager of  |  |
| Flexural Bond Strength:  |                            | NPD  | Shear Bond strength:   | oisture Movement:  | Nominal 0.50 mm/m  |
| Reaction to fire:  |                            | Euroclass A1   | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup><br>NPD  |
| Water Absorption:  |                            | NPD  | Reaction to fire:  |  |  |
| Water vapour diffusion coefficient   | <b>t :</b><br>Fixed Value: | 5/10   |  |  | Euroclass A1   |
| □<br>Direct airborne sound insulation:   | iven vaine.                | 5/10   | Water absorption:  |  | NPD  |
| Gro  | oss density:               | 730 kg/m <sup>3</sup>  | Water vapour diffusion coeffic   | Fixed Value:   | 5/10   |
|  | onfiguration:              | 0  | Direct airborne sound insulation   | on:<br>Gross density:  | 730 ka/m <sup>3</sup>  |
| Thermal conductivity:  | 5                          | 0.16 W/m.K [λ <sub>10,drv unit</sub> , S2]                             | Thermal conductivity   | Configuration:   | As above   |
| Durability against freeze-thaw:  |                            | NPD  | Thermal conductivity:  |  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |
| Dangerous Substances:  |                            | See Note   | Durability against freeze-thaw   | :  | NPD  |
|  |                            |  | Dangerous Substances:  | uo oubotonoos  | See Note<br>only be given when and where required in the   |
| Note: Information on Dangerous s<br>appropriate form. See Annex ZA3  |                            | vill only be given when and where required in the 1-4:2011.            | appropriate form. See Annex 2  |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6301541

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Br<br>5 Grange F<br>North   | -  |   | DOP/HANU<br>e undersigned, re<br>Forterra Buildir<br>5 Grange Park<br>Northamp   | Df Performance<br>UK/TH/6300612<br>epresenting the following:<br>Ing Products Limited<br>Court, Roman Way<br>toon, NN4 5EA |  |
|--|--|---|--|--|--|
| -  | t Grade Smooth   |   |  |  | irms that:   |
|  | 12   |   |  |  | 12   |
| Category II, 440 x 100 x 215 m   | n autoclaved aerated concrete masonry units  |   | Conforms to the  | e Harmonised Eur   | ropean Standard: BS EN 771-4:2011                              |
| Dimensions: 440 (mm) x 100 (mm) x 215 (m   | n)   |   | Category II, 440 x 1   | 00 x 215 mm, au  | utoclaved aerated concrete masonry units                       |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery  |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |  |
| Configuration:   | Solid  |   | Dimensional tolerances:  |  |  |
| Compressive strength:  | Mean 4.00 $\text{N/mm}^2$ [ $\scriptscriptstyle \perp$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Movement  | nt: Nominal 0.50 mm/m  |   | Compressive strength:  |  | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:<br>Fixed valu   | e: 0.15 N/mm <sup>2</sup>  |   | Dimensional stability:   |  |  |
| Flexural Bond Strength:  | NPD  |   | Moist<br>Shear Bond strength:  | ture Movement:   | Nominal 0.50 mm/m  |
| Reaction to fire:  | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup><br>NPD                                  |
| Water Absorption:  | NPD  |   | Reaction to fire:  |  |  |
| Water vapour diffusion coefficient :   |  |   |  |  | Euroclass A1   |
| Fixed Valu Direct airborne sound insulation:   | e: 5/10  |   | Water absorption:  |  | NPD  |
| Gross densi  | y: 660 ka/m <sup>3</sup>   |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value:  | 5/10   |
| Configuratio   |  |   | Direct airborne sound insulation:  |  | 660 kg/m <sup>3</sup>  |
| Thermal conductivity:  | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]  |   | Thermal conductivity:  | Configuration:   | As above   |
| Durability against freeze-thaw:  | NPD  |   | 5  |  | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |
| Dangerous Substances:  | See Note   |   | Durability against freeze-thaw:  |  | NPD  |
|  |  |   | Dangerous Substances:  | aubatar '''  | See Note   |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN | es will only be given when and where required in the 771-4:2011.                       | J | appropriate form. See Annex ZAS  |  | l only be given when and where required in the<br>4:2011.      |

See Also Declaration of Performance DOP/HANUK/TH/6300612

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| 5 Grang<br>No   | Building Products Limited<br>Park Court, Roman Way<br>thampton, NN4 5EA |  | DOP/HANU<br>e undersigned, re<br>Forterra Buildir<br>5 Grange Park | DF Performance<br>JK/TH/6300629<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |
|---|---|--|--|---|
|   | S EN 771-4:2011   |  | Conf   | irms that:  |
| Pi  | int Grade Smooth<br>12  |  | Paint Gr   | ade Smooth<br>12  |
| Category II, 440 x 140 x 215  | nm autoclaved aerated concrete masonry units                            | Conforms to the  | e Harmonised Eur   | opean Standard: BS EN 771-4:2011  |
| Dimensions: 440 (mm) x 140 (mm) x 215   | mm)   | Category II, 440 x 1   | 40 x 215 mm, au  | toclaved aerated concrete masonry units   |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery                           | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |
| Configuration:  | Solid   | Dimensional tolerances:  | ootogonu   | CDI M (unless stated atherwise on the delivery ticket)  |
| Compressive strength:   | Mean 4.00 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II]            | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid  |
| Dimension Stability:<br>Moisture Moven  | ent: Nominal 0.50 mm/m  | Compressive strength:  |  | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |
| Shear Bond Strength:<br>Fixed va  | lue: 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |  |   |
| Flexural Bond Strength:   | NPD   | Mois<br>Shear Bond strength:   | ture Movement:   | Nominal 0.50 mm/m   |
| Reaction to fire:   | Euroclass A1  | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>  |
| Water Absorption:   | NPD   | Reaction to fire:  |  | NPD   |
| Water vapour diffusion coefficient :  |   |  |  | Euroclass A1  |
| Fixed Va<br>Direct airborne sound insulation:                                   | lue: 5/10   | Water absorption:  |  | NPD   |
| Gross der   | sity: 660 kg/m <sup>3</sup>   | Water vapour diffusion coefficier  | nt:<br>Fixed Value:  | 5/10  |
|   | tion: As Above  | Direct airborne sound insulation   | Gross density:   | 660 kg/m <sup>3</sup>   |
| Thermal conductivity:   | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]                               | Thermal conductivity:  | Configuration:   | As above  |
| Durability against freeze-thaw:   | NPD   | Durability against freeze-thaw:  |  | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Dangerous Substances:   | See Note  | Dangerous Substances:  |  | NPD<br>See Note   |
| Note: Information on Dangerous substan<br>appropriate form. See Annex ZA3 of BS | ces will only be given when and where required in the<br>EN 771-4:2011. |  |  | only be given when and where required in the  |

See Also Declaration of Performance DOP/HANUK/TH/6300629

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| 5 Grange<br>North   | uilding Products Limited<br>Park Court, Roman Way<br>Jampton, NN4 5EA  |   |  | DOP/HANU<br>e undersigned, re<br>Forterra Buildir<br>5 Grange Park | DF Performance<br>JK/TH/6300636<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |
|---|--|---|--|--|---|
|   | EN 771-4:2011  |   |  | Conf   | irms that:  |
| Pair  | it Grade Smooth<br>12  |   |  | Paint Gr   | ade Smooth<br>12  |
| Category II, 440 x 150 x 215 m  | n autoclaved aerated concrete masonry units                            |   | Conforms to the  | e Harmonised Eu  | ropean Standard: BS EN 771-4:2011   |
| <b>Dimensions:</b> 440 (mm) x 150 (mm) x 215 (m                                     |  |   | Category II, 440 x 1   | 50 x 215 mm, au  | utoclaved aerated concrete masonry units  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery                          |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |
| Configuration:  | Solid  |   | Dimensional tolerances:  | ooto go n u  | CDIM (upless stated atherwise on the delivery ticket)   |
| Compressive strength:   | Mean 4.00 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:  | GPLM (unless stated otherwise on the delivery ticket)<br>Solid  |
| Dimension Stability:<br>Moisture Moveme   | nt: Nominal 0.50 mm/m  |   | Compressive strength:  |  | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |
| Shear Bond Strength:<br>Fixed value   | ie: 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |  |   |
| Flexural Bond Strength:   | NPD  |   | Mois<br>Shear Bond strength:   | ture Movement:   | Nominal 0.50 mm/m   |
| Reaction to fire:   | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>  |
| Water Absorption:   | NPD  |   | Reaction to fire:  |  | NPD   |
| Water vapour diffusion coefficient :  | - // 0   |   |  |  | Euroclass A1  |
| Fixed Value   | ie: 5/10   |   | Water absorption:  |  | NPD   |
| Gross dens  | ty: 660 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value:  | 5/10  |
|   | on: As Above   |   | Direct airborne sound insulation:  |  | 660 ka/m <sup>3</sup>   |
| Thermal conductivity:   | 0.14 W/m.K [λ <sub>10,drv unit</sub> , S2]                             |   | Thermal conductivity:  | Configuration:   | As above  |
| Durability against freeze-thaw:   | NPD  |   | ,  |  | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Dangerous Substances:   | See Note   |   | Durability against freeze-thaw:  |  | NPD   |
|   |  |   | Dangerous Substances:  |  | See Note  |
| Note: Information on Dangerous substanc<br>appropriate form. See Annex ZA3 of BS El | es will only be given when and where required in the<br>I 771-4:2011.  | ] | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |  | only be given when and where required in the<br>4:2011.   |

See Also Declaration of Performance DOP/HANUK/TH/6300636

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| 5 Grang<br>No  | g Products Limited<br>Court, Roman Way<br>on, NN4 5EA |  | DOP/HANU<br>e undersigned, rep<br>Forterra Buildin<br>5 Grange Park  | of Performance<br>IK/TH/6300643<br>presenting the following:<br>Ig Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |  |
|--|---|--|--|---|--|
|  |   | 71-4:2011  |  | Confi   | rms that:  |
| F  |   | de Smooth<br>12  |  |   | ade Smooth<br>12   |
| Category II, 440 x 190 x 215   | mm aut  | oclaved aerated concrete masonry units                                   | Conforms to the  | e Harmonised Eur  | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 440 (mm) x 190 (mm) x 215  |   |  | Category II, 440 x 1   | 190 x 215 mm, au  | toclaved aerated concrete masonry units                        |
| Dimensional tolerances:  | . ,   | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |   |  |
| Configuration:   |   | Solid  | Dimensional tolerances:  | ootogon/:   | CPI M (uplose stated atherwise on the delivery ticket)         |
| Compressive strength:  |   | Mean 4.00 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Move  | nent:   | Nominal 0.50 mm/m  | Compressive strength:  |   | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:<br>Fixed v  | alue:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |   |  |
| Flexural Bond Strength:  |   | NPD  | Mois<br>Shear Bond strength:   | sture Movement:   | Nominal 0.50 mm/m  |
| Reaction to fire:  |   | Euroclass A1   | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:  |   | NPD  | Reaction to fire:  |   | NPD  |
| Water vapour diffusion coefficient :<br>Fixed V                                | aluo:   | 5/10   |  |   | Euroclass A1   |
| Direct airborne sound insulation:  | aiue.   | 5/10   | Water absorption:  |   | NPD  |
| Gross de   | nsity:  | 660 kg/m <sup>3</sup>  | Water vapour diffusion coefficie   | Fixed Value:  | 5/10   |
| Configur   | ition:  | As Above   | Direct airborne sound insulation   | Gross density:  | 660 kg/m <sup>3</sup>  |
| Thermal conductivity:  |   | 0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]                                | Thermal conductivity:  | Configuration:  | As above<br>0.14 W/m.K [λ <sub>10.drv unit.</sub> S2]          |
| Durability against freeze-thaw:  |   | NPD  | Durability against freeze-thaw:  |   |  |
| Dangerous Substances:  |   | See Note   | Dangerous Substances:  |   | NPD<br>See Note  |
| Note: Information on Dangerous substa<br>appropriate form. See Annex ZA3 of BS |   | II only be given when and where required in the 4:2011.                  |  |   | only be given when and where required in the                   |

See Also Declaration of Performance DOP/HANUK/TH/6300643

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra<br>5 Grange<br>Nor<br>E   |  | DOP/HANU<br>ne undersigned, re<br>Forterra Buildir<br>5 Grange Park<br>Northamp  | DF Performance<br>JK/TH/6300650<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |   |
|--|--|--|---|---|
| Pa   | nt Grade Smooth<br>12  |  |   | rade Smooth<br>12   |
| Category II, 440 x 200 x 215 r<br>Dimensions: 440 (mm) x 200 (mm) x 215 (<br>Dimensional tolerances:<br>catego | GPLM (unless stated otherwise on the delivery                        | Category II, 440 x   | 200 x 215 mm, au<br>uct conforms: Sta   | ropean Standard: <b>BS EN 771-4:2011</b><br>utoclaved aerated concrete masonry units<br>undard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:<br>Compressive strength:<br>Dimension Stability:  | Solid Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] | Dimensional tolerances:<br>Configuration:  | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid  |
| Moisture Movem<br>Shear Bond Strength:<br>Fixed va<br>Flexural Bond Strength:                                  |  | Compressive strength:<br>Dimensional stability:<br>Shear Bond strength:          | sture Movement:   | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]<br>Nominal 0.50 mm/m   |
| Reaction to fire:<br>Water Absorption:   | Euroclass A1<br>NPD  | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm²<br>NPD   |
| Water vapour diffusion coefficient :<br>Fixed Va   |  | Reaction to fire:<br>Water absorption:   |   | Euroclass A1<br>NPD   |
| Direct airborne sound insulation:<br>Gross den<br>Configura  | , 0  | Water vapour diffusion coefficie<br>Direct airborne sound insulation             | Fixed Value:  | 5/10<br>660 kg/m <sup>3</sup>   |
| Thermal conductivity:<br>Durability against freeze-thaw:   | 0.14 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>NPD                    | Thermal conductivity:  | Configuration:  | As above<br>0.14 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Dangerous Substances:  | See Note   | Durability against freeze-thaw:     NPD       Dangerous Substances:     See Note |   |   |
| Note: Information on Dangerous substan<br>appropriate form. See Annex ZA3 of BS I                              | es will only be given when and where required in the N 771-4:2011.   | Note: Information on Dangerous<br>appropriate form. See Annex ZA                 |   | only be given when and where required in the<br>4:2011.   |

See Also Declaration of Performance DOP/HANUK/TH/6300650

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |            |  |   | Declaration of Performance<br>DOP/HANUK/TH/6300667<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                                  |  |
|--|------------|--|---|--|----------------------------------|--|
|  | BS EI      | N 771-4:2011   |   |  | Confi                            | irms that:   |
|  | Paint G    | arade Smooth<br>12   |   |  |                                  | ade Smooth<br>12   |
| Category II, 440 x 215 x   | 215 mm a   | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | Harmonised Eur                   | ropean Standard: BS EN 771-4:2011  |
| Dimensions: 440 (mm) x 215 (mm) x  | 215 (mm)   | -  |   | Category II, 440 x 2   | 15 x 215 mm,  au                 | toclaved aerated concrete masonry units                                  |
| Dimensional tolerances:  | category:  | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the produc  |                                  | ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:   |            | Solid  |   | Dimensional tolerances:  | ootogon "                        | CDI M (uplace stated athenuise on the delivery ticket)                   |
| Compressive strength:  |            | Mean 4.00 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid           |
| Dimension Stability:<br>Moisture M   | ovement:   | Nominal 0.50 mm/m  |   | Compressive strength:  |                                  | Mean 4.00 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]           |
| Shear Bond Strength:<br>Fix  | ed value:  | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                                  |  |
| Flexural Bond Strength:  |            | NPD  |   | Moist<br>Shear Bond strength:  | ure Movement:                    | Nominal 0.50 mm/m  |
| Reaction to fire:  |            | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:  |            | NPD  |   | -  |                                  | NPD  |
| Water vapour diffusion coefficient :   |            |  |   | Reaction to fire:  |                                  | Euroclass A1   |
|  | ed Value:  | 5/10   |   | Water absorption:  |                                  | NPD  |
| Direct airborne sound insulation:  |            | 200 L / 3  |   | Water vapour diffusion coefficien  |                                  | 5/40   |
|  | s density: | 660 kg/m <sup>3</sup>  |   | Direct airborne sound insulation:  |                                  | 5/10   |
|  | iguration: |  |   |  | Gross density:<br>Configuration: | 660 kg/m³<br>As above  |
| Thermal conductivity:  |            | 0.14 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |   | Thermal conductivity:  | <b>U</b>                         | 0.14 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |
| Durability against freeze-thaw:  |            | NPD  |   | Durability against freeze-thaw:  |                                  | NPD  |
| Dangerous Substances:  |            | See Note   |   | Dangerous Substances:  |                                  | See Note   |
| Note: Information on Dangerous sul<br>appropriate form. See Annex ZA3 of                     |            | will only be given when and where required in the 71-4:2011.             | J | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                                  | only be given when and where required in the<br>I:2011.                  |

See Also Declaration of Performance DOP/HANUK/TH/6300667

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

|   | 5 Grange Park<br>Northamp | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA                         |   |  | DOP/HANU<br>The undersigned, rej<br>Forterra Buildin<br>5 Grange Park<br>Northamp | <b>AF Performance</b><br>W/TH/6300339<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA |
|---|---------------------------|--|---|--|---|--|
|   |                           | Paint Grade Smooth   |   |  |   | rms that:  |
|   |                           | 12   |   |  | 0   | 12   |
| Category II, 4  | 40 x 100 x 215 mm au      | toclaved aerated concrete masonry units  |   | Conforms   | to the Harmonised Eur   | opean Standard: BS EN 771-4:2011   |
| Dimensions: 440 (mm) x 1                              | 00 (mm) x 215 (mm)        |  |   | Category II, 4   | 40 x 100 x 215 mm, au   | toclaved aerated concrete masonry units  |
| Dimensional tolerances:                               | category:                 | GPLM (unless stated otherwise on the delivery ticket)                            |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |   |  |
| Configuration:  |                           | Solid  |   | Dimensional tolerances:  | eeteen "  | CDI M (uplace stated athenuise on the delivery ticket)   |
| Compressive strength:                                 |                           | Mean 7.30 $\text{N/mm}^2$ [ $\scriptstyle \perp$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid   |
|   | Moisture Movement:        | Nominal 0.50 mm/m  |   | Compressive strength:  |   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]   |
| Shear Bond Strength:                                  | Fixed value:              | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |   |  |
| Flexural Bond Strength:                               |                           | NPD  |   | Shear Bond strength:   | Moisture Movement:  | Nominal 0.50 mm/m  |
| Reaction to fire:                                     |                           | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:                                     |                           | NPD  |   | Reaction to fire:  |   | NPD  |
| Water vapour diffusion co                             |                           |  |   |  |   | Euroclass A1   |
| Direct airborne sound ins                             | Fixed Value:              | 5/10   |   | Water absorption:  |   | NPD  |
| Direct all borne soulid lifs                          |                           | 730 kg/m <sup>3</sup>  |   | Water vapour diffusion coe   | fficient:<br>Fixed Value:   | 5/10   |
|   | Gross density:            | ·  |   | Direct airborne sound insu   | lation:   |  |
| <b>-</b>  | Configuration:            | As Above   |   |  | Gross density:<br>Configuration:  | 730 kg/m³<br>As above  |
| Thermal conductivity:                                 |                           | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                                       |   | Thermal conductivity:  | -   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]   |
| Durability against freeze-t                           | thaw:                     | NPD  |   | Durability against freeze-th   | aw:   | NPD  |
| Dangerous Substances:                                 |                           | See Note   |   | Dangerous Substances:  |   | See Note   |
| Note: Information on Dang<br>appropriate form. See An |                           | vill only be given when and where required in the 1-4:2011.                      | ] | Note: Information on Dange<br>appropriate form. See Anne   |   | only be given when and where required in the :2011.  |

See Also Declaration of Performance DOP/HANUK/TH/6300339

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering Full name: Carl Cuthbert

Position: Quality Manager

|   | 5 Grange Park<br>Northamp | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA                  |   | I  | DOP/HANU<br>The undersigned, rej<br>Forterra Buildin<br>5 Grange Park<br>Northamp | In <b>Performance</b><br>IN/TH/6300353<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA<br>rms that: |
|---|---------------------------|---|---|--|---|--|
|   | Hi Strength 7 F           | Paint Grade Smooth<br>12  |   |  |   | aint Grade Smooth<br>12  |
| Category II, 4                                    | 140 x 140 x 215 mm au     | toclaved aerated concrete masonry units                                   |   | Conforms   | to the Harmonised Eur   | opean Standard: BS EN 771-4:2011   |
| Dimensions: 440 (mm) x 1                          | 140 (mm) x 215 (mm)       |   |   | Category II, 4   | 40 x 140 x 215 mm, au   | toclaved aerated concrete masonry units  |
| Dimensional tolerances:                           | category:                 | GPLM (unless stated otherwise on the delivery ticket)                     |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |   |  |
| Configuration:                                    |                           | Solid   |   | Dimensional tolerances:  | eeteen "  | CDI M (uplace stated athenuise on the delivery ticket)   |
| Compressive strength:                             |                           | Mean 7.30 $\text{N/mm}^2$ [ $\!\!\!\perp$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid   |
|   | Moisture Movement:        | Nominal 0.50 mm/m   |   | Compressive strength:  |   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]   |
| Shear Bond Strength:                              | Fixed value:              | 0.15 N/mm <sup>2</sup>  |   | Dimensional stability:   |   |  |
| Flexural Bond Strength:                           |                           | NPD   |   | Shear Bond strength:   | Moisture Movement:  | Nominal 0.50 mm/m  |
| Reaction to fire:                                 |                           | Euroclass A1  |   | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:                                 |                           | NPD   |   | 5  |   | NPD  |
| Water vapour diffusion co                         |                           |   |   | Reaction to fire:  |   | Euroclass A1   |
| Direct side                                       | Fixed Value:              | 5/10  |   | Water absorption:  |   | NPD  |
| Direct airborne sound ins                         |                           |   |   | Water vapour diffusion coe   |   | 540  |
|   | Gross density:            | 730 kg/m <sup>3</sup>   |   | Direct airborne sound insu   | Fixed Value:<br>lation:   | 5/10   |
|   | Configuration:            | As Above  |   |  | Gross density:<br>Configuration:  | 730 kg/m <sup>3</sup><br>As above  |
| Thermal conductivity:                             |                           | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                                |   | Thermal conductivity:  | Conniguration.  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |
| Durability against freeze-                        | thaw:                     | NPD   |   | Durability against freeze-th   | aw:   | NPD  |
| Dangerous Substances:                             |                           | See Note  |   | Dangerous Substances:  |   | See Note   |
| Note: Information on Dan appropriate form. See An |                           | vill only be given when and where required in the 1-4:2011.               | ] | 0  |   | only be given when and where required in the   |

See Also Declaration of Performance DOP/HANUK/TH/6300353

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011  |  |   | Declaration of Performance<br>DOP/HANUK/TH/6300360<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |  |  |
|---|--|---|--|--|--|
|   |  | aint Grade Smooth<br>12   |  | Hi Strength 7 Pa                               | aint Grade Smooth<br>12  |
| Category II, 4<br>Dimensions: 440 (mm) x 1<br>Dimensional tolerances:   |  | toclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) | Category II, 44  | 40 x 150 x 215 mm, au<br>product conforms: Sta | ropean Standard: <b>BS EN 771-4:2011</b><br>utoclaved aerated concrete masonry units<br>ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:<br>Compressive strength:<br>Dimension Stability:   |  | Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]                             | Dimensional tolerances:<br>Configuration:  | category:                                      | GPLM (unless stated otherwise on the delivery ticket)<br>Solid   |
| Shear Bond Strength:  | Moisture Movement:<br>Fixed value:           | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup>   | Compressive strength:<br>Dimensional stability:  | Moisture Movement:                             | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]<br>Nominal 0.50 mm/m  |
| Flexural Bond Strength:<br>Reaction to fire:  |  | NPD<br>Euroclass A1   | Shear Bond strength:<br>Flexural Bond Strength:  | Fixed value:                                   | 0.15 N/mm <sup>2</sup><br>NPD  |
| Water Absorption:<br>Water vapour diffusion co  | Fixed Value:                                 | NPD<br>5/10   | Reaction to fire:<br>Water absorption:   |  | Euroclass A1<br>NPD  |
| Direct airborne sound ins   | ulation:<br>Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As Above   | Water vapour diffusion coe<br>Direct airborne sound insul  | Fixed Value:                                   | 5/10<br>730 ka/m <sup>3</sup>  |
| Thermal conductivity:<br>Durability against freeze-t  | -  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>NPD   | Thermal conductivity:<br>Durability against freeze-th  | Configuration:                                 | As above<br>0.16 W/m.Κ [λ <sub>10,dry unit,</sub> S2]  |
| Dangerous Substances:       See Note         Dangerous Substances:       See Note         Dangerous Substances:       See Note         Dangerous Substances:       See Note         Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011.       Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. |  |   | See Note<br>only be given when and where required in the   |  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300360

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                              |  |   | Declaration of Performance<br>DOP/HANUK/TH/6300377<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                          |  |  |
|--|------------------------------|--|---|--|--------------------------|--|--|
|  | Hi Strength 7 F              | Paint Grade Smooth<br>12   |   |  | Hi Strength 7 Pa         | aint Grade Smooth<br>12  |  |
| Category II.   | 440 x 190 x 215 mm au        | toclaved aerated concrete masonry units                                  |   | Conforms   | to the Harmonised Eur    | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x   |                              |  |   | Category II, 44  | 10 x 190 x 215 mm, au    | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:  | category:                    | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                          |  |  |
| Configuration:   |                              | Solid  |   | Dimensional tolerances:  | category:                | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:  |                              | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:                | Solid  |  |
| Dimension Stability:   | Moisture Movement:           | Nominal 0.50 mm/m  |   | Compressive strength:  |                          | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:   | Fixed value:                 | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   | Malation Manager         | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:  |                              | NPD  |   | Shear Bond strength:   | Moisture Movement:       |  |  |
| Reaction to fire:  |                              | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:             | 0.15 N/mm <sup>2</sup><br>NPD                                  |  |
| Water Absorption:  |                              | NPD  |   | Reaction to fire:  |                          |  |  |
| Water vapour diffusion c   | oefficient :<br>Fixed Value: | 5/10   |   |  |                          | Euroclass A1   |  |
| Direct airborne sound ins  |                              | 0/10   |   | Water absorption:  |                          | NPD  |  |
|  | Gross density:               | 730 kg/m <sup>3</sup>  |   | Water vapour diffusion coef  | ficient:<br>Fixed Value: | 5/10   |  |
|  | Configuration:               | As Above   |   | Direct airborne sound insul  |                          | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | -                            | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |   | Thermal conductivity:  | Configuration:           | As above   |  |
| Durability against freeze-   | -thaw:                       | NPD  |   | 2  |                          | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:  |                              | See Note   |   | Durability against freeze-tha  | aw:                      | NPD  |  |
|  |                              |  |   | Dangerous Substances:  |                          | See Note   |  |
| Note: Information on Dan appropriate form. See An  |                              | vill only be given when and where required in the 1-4:2011.              | J | Note: Information on Dange<br>appropriate form. See Anne   |                          | only be given when and where required in the :2011.            |  |

See Also Declaration of Performance DOP/HANUK/TH/6300377

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                 |  | Declaration of Performance<br>DOP/HANUK/TH/6300384<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                    |  |  |
|--|-----------------|--|--|--------------------|--|--|
| His  | Strength 7      | Paint Grade Smooth<br>12   |  |                    | aint Grade Smooth<br>12  |  |
| Category II, 440 x 200 >   | < 215 mm a      | utoclaved aerated concrete masonry units                         | Conforms to  | the Harmonised Eur | opean Standard: BS EN 771-4:2011                                   |  |
| Dimensions: 440 (mm) x 200 (mm) x  |                 | ····· , ···· , ····  | Category II, 440   | x 200 x 215 mm, au | toclaved aerated concrete masonry units                            |  |
| Dimensional tolerances:  | category:       | GPLM (unless stated otherwise on the delivery ticket)            | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                    |  |  |
| Configuration:   |                 | Solid  | Dimensional tolerances:  | category:          | GPLM (unless stated otherwise on the delivery ticket)              |  |
| Compressive strength:  |                 | Mean 7.30 N/mm $^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | calegoly.          | Solid  |  |
| Dimension Stability:<br>Moisture N   | Novement:       | Nominal 0.50 mm/m  | Compressive strength:  |                    | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]     |  |
| Shear Bond Strength:<br>Fi   | xed value:      | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                    |  |  |
| Flexural Bond Strength:  |                 | NPD  | Shear Bond strength:   | oisture Movement:  | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |                 | Euroclass A1   | Flexural Bond Strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  |                 | NPD  | Reaction to fire:  |                    | NPD  |  |
| Water vapour diffusion coefficient   | :<br>xed Value: | 5/10   | Water absorption:  |                    | Euroclass A1   |  |
| Direct airborne sound insulation:  | teu value.      |  | ·  |                    | NPD  |  |
| Gros   | ss density:     | 730 kg/m <sup>3</sup>  | Water vapour diffusion coeffic   | Fixed Value:       | 5/10   |  |
|  | ifiguration:    | As Above   | Direct airborne sound insulation   | Gross density:     | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |                 | 0.16 W/m.K [ $\lambda_{10,dry unit}$ , S2]                       | Thermal conductivity:  | Configuration:     | As above   |  |
| Durability against freeze-thaw:  |                 | NPD  | Durability against freeze-thaw   |                    | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                          |  |
| Dangerous Substances:  |                 | See Note   |  | •                  | NPD  |  |
| Note: Information on Dangerous su appropriate form. See Annex ZA3 o  |                 | vill only be given when and where required in the 1-4:2011.      | Dangerous Substances:<br>Note: Information on Dangerou<br>appropriate form. See Annex 2  |                    | See Note<br>only be given when and where required in the<br>:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300384

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars. Full name: Carl Cuthbert

Signed on behalf of the manufacturer:

alla lathering

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                           |  |     | [  | DOP/HANU<br>The undersigned, rep<br>Forterra Buildin<br>5 Grange Park (<br>Northampt | IF Performance<br>IK/TH/6300391<br>presenting the following:<br>g Products Limited<br>Court, Roman Way<br>ton, NN4 5EA<br>rms that: |  |
|--|---------------------------|--|-----|--|--|---|--|
|  | Hi Strength 7 F           | Paint Grade Smooth<br>12   |     |  | Hi Strength 7 Pa   | aint Grade Smooth<br>12   |  |
| Category II.   | 440 x 215 x 215 mm aι     | toclaved aerated concrete masonry units                                  |     | Conforms   | to the Harmonised Eur  | opean Standard: BS EN 771-4:2011  |  |
| Dimensions: 440 (mm) x 3   |                           | ,  |     | Category II, 44  | 40 x 215 x 215 mm, au  | toclaved aerated concrete masonry units   |  |
| Dimensional tolerances:  |                           | GPLM (unless stated otherwise on the delivery ticket)                    |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |  |
| Configuration:   |                           | Solid  |     | Dimensional tolerances:  | category;  | GPLM (unless stated otherwise on the delivery ticket)   |  |
| Compressive strength:  |                           | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:  | Solid   |  |
| Dimension Stability:   | Moisture Movement:        | Nominal 0.50 mm/m  |     | Compressive strength:  |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |  |
| Shear Bond Strength:   | Fixed value:              | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   | Maintura Managarati  | Nominal 0.50 mm/m   |  |
| Flexural Bond Strength:  |                           | NPD  |     | Shear Bond strength:   | Moisture Movement:   |   |  |
| Reaction to fire:  |                           | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup><br>NPD   |  |
| Water Absorption:  |                           | NPD  |     | Reaction to fire:  |  |   |  |
| Water vapour diffusion c   |                           | 5/40   |     |  |  | Euroclass A1  |  |
| Direct airborne sound in   | Fixed Value:<br>sulation: | 5/10   |     | Water absorption:  |  | NPD   |  |
|  | Gross density:            | 730 kg/m <sup>3</sup>  |     | Water vapour diffusion coef  | fficient:<br>Fixed Value:  | 5/10  |  |
|  | Configuration:            | As Above   |     | Direct airborne sound insul  |  | 730 kg/m <sup>3</sup>   |  |
| Thermal conductivity:  | Comguration.              | 0.16 W/m.K [λ <sub>10.dry unit</sub> , S2]                               |     |  | Configuration:   | As above  |  |
| Durability against freeze  | thoug                     | NPD  |     | Thermal conductivity:  |  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]  |  |
|  | -ulaw:                    |  |     | Durability against freeze-tha  | aw:  | NPD   |  |
| Dangerous Substances:  |                           | See Note   |     | Dangerous Substances:  |  | See Note  |  |
| Note: Information on Dar appropriate form. See Ar  |                           | vill only be given when and where required in the 1-4:2011.              | j l | Note: Information on Dange<br>appropriate form. See Anne   |  | only be given when and where required in the :2011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300391

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering Full name: Carl Cuthbert

Position: Quality Manager

| (  | E  |  | Dec  |                                       | of Performance<br>JK/TH/6301190                                |
|--|--|--|--|---------------------------------------|--|
|  |  |  | The  | e undersigned, re                     | presenting the following:                                      |
| Forterra Build<br>5 Grange Pai<br>Northar  |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                                       |  |
| BS E   | N 771-4:2011   |  |  | Confi                                 | irms that:   |
| Large Format Hi Stre   | ength 7 Paint Grade Smooth<br>12   |  | Large  | Format Hi Stren                       | gth 7 Paint Grade Smooth<br>12                                 |
| Category II, 440 x 100 x 430 mm a  | autoclaved aerated concrete masonry units  |  | Conforms to the  | e Harmonised Eur                      | ropean Standard: BS EN 771-4:2011                              |
| Dimensions: 440 (mm) x 100 (mm) x 430 (mm)   |  |  | Category II, 440 x 1   | 00 x 430 mm, au                       | utoclaved aerated concrete masonry units                       |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                       |  |
| Configuration:   | Solid  |  | Dimensional tolerances:  |                                       |  |
| Compressive strength:  | Mean 7.30 $\text{N/mm}^2$ [ $\scriptscriptstyle \perp$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                             | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  |  | Compressive strength:  |                                       | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   | · · · · · · · · · · · · · · · · · · · |  |
| Flexural Bond Strength:  | NPD  |  | Mois<br>Shear Bond strength:   | ture Movement:                        | Nominal 0.50 mm/m  |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                          | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:  | NPD  |  | Reaction to fire:  |                                       | NPD  |
| Water vapour diffusion coefficient :   |  |  |  |                                       | Euroclass A1   |
| Fixed Value:<br>Direct airborne sound insulation:                                    | 5/10   |  | Water absorption:  |                                       | NPD  |
|  | 720 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficien  | nt:<br>Fixed Value:                   | 5/10   |
| Gross density:   | 0  |  | Direct airborne sound insulation   | :                                     |  |
| Configuration:   |  |  |  | Gross density:<br>Configuration:      | 730 kg/m <sup>3</sup><br>As above                              |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]   |  | Thermal conductivity:  |                                       | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |
| Durability against freeze-thaw:  | NPD  |  | Durability against freeze-thaw:  |                                       | NPD  |
| Dangerous Substances:  | See Note   |  | Dangerous Substances:  |                                       | See Note   |
| Note: Information on Dangerous substances appropriate form. See Annex ZA3 of BS EN 7 | will only be given when and where required in the 71-4:2011.                           | ]  | Note: Information on Dangerous appropriate form. See Annex ZA  |                                       | only be given when and where required in the<br>4:2011.        |

See Also Declaration of Performance DOP/HANUK/TH/6301190

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra l<br>5 Grange<br>Nor<br>B  | _  | Declaration of Performance<br>DOP/HANUK/TH/6301329<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that:<br>Large Format Hi Strength 7 Paint Grade Smooth |   |                      |   |
|---|--|---|---|----------------------|---|
| Large Format Hi   | Strength 7 Paint Grade Smooth<br>12  |   | La  | arge Format Hi Stren | gth 7 Paint Grade Smooth<br>12                                      |
| Category II, 440 x 140 x 430 n<br>Dimensions: 440 (mm) x 140 (mm) x 430 (r        | nm autoclaved aerated concrete masonry units   |   | Conforms to the Harmonised European Standard: <b>BS EN 771-4:2011</b><br>Category II, 440 x 140 x 430 mm, autoclaved aerated concrete masonry units |                      |   |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery<br>ory: ticket)                          |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011                              |                      |   |
| Configuration:  | Solid  |   | Dimensional tolerances:   |                      | × · · ·   |
| Compressive strength:   | Mean 7.30 $\text{N/mm}^2$ [ $\scriptscriptstyle \perp$ bed face, whole unit]. [Cat II] |   | Configuration:  | category:            | GPLM (unless stated otherwise on the delivery ticket)<br>Solid      |
| Dimension Stability:<br>Moisture Movem  | ent: Nominal 0.50 mm/m   |   | Compressive strength:   |                      | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]      |
| Shear Bond Strength:<br>Fixed va  | lue: 0.15 N/mm <sup>2</sup>  |   | Dimensional stability:  |                      |   |
| Flexural Bond Strength:   | NPD  |   | Shear Bond strength:  | Moisture Movement:   | Nominal 0.50 mm/m   |
| Reaction to fire:   | Euroclass A1   |   | Flexural Bond Strength:   | Fixed value:         | 0.15 N/mm <sup>2</sup><br>NPD                                       |
| Water Absorption:   | NPD  |   | Reaction to fire:   |                      | Euroclass A1  |
| Water vapour diffusion coefficient :<br>Fixed Va                                  | lue: 5/10  |   | Water absorption:   |                      |   |
| Direct airborne sound insulation:   |  |   | Water vapour diffusion coef   | ficient              | NPD   |
| Gross den:  | sity: 730 kg/m <sup>3</sup>  |   |   | Fixed Value:         | 5/10  |
| Configurat  | ion: As Above  |   | Direct airborne sound insula  | Gross density:       | 730 kg/m <sup>3</sup>   |
| Thermal conductivity:   | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |   | Thermal conductivity:   | Configuration:       | As above  |
| Durability against freeze-thaw:   | NPD  |   | Durability against freeze-tha   | NW.                  | $0.16 \text{ W/m.K} [\lambda_{10,dry unit,} S2]$                    |
| Dangerous Substances:   | See Note   |   |   |                      | NPD   |
| Note: Information on Dangerous substan<br>appropriate form. See Annex ZA3 of BS E | ces will only be given when and where required in the<br>N 771-4:2011.                 |   | Dangerous Substances:<br>Note: Information on Danger<br>appropriate form. See Annex   |                      | See Note<br>only be given when and where required in the<br>I:2011. |

See Also Declaration of Performance DOP/HANUK/TH/6301329

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| CE   |          |  |  | DOP/HANU            | of Performance<br>JK/TH/6300674<br>presenting the following:   |  |
|--|----------|--|--|---------------------|--|--|
| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |          |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |  |  |
|  | BS EI    | N 771-4:2011   |  | Confi               | irms that:   |  |
|  | Tre      | enchblock<br>12  |  | Tren                | chblock<br>12  |  |
| Category II, 440 x 255 x 2   | 5 mm a   | nutoclaved aerated concrete masonry units                                | Conforms to the  | Harmonised Eur      | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 255 (mm) x 2  |          |  | Category II, 440 x 2   | 55 x 215 mm,  au    | itoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:  | tegory:  | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:   |          | Solid  | Dimensional tolerances:  | category:           | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:  |          | Mean 3.60 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category.           | Solid  |  |
| Dimension Stability:<br>Moisture Mov   | ement:   | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed  | value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:  |          | NPD  | Moist<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |          | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  |          | NPD  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :   | Values   | 5/40   |  |                     | Euroclass A1   |  |
| Fixed<br>Direct airborne sound insulation:   | Value:   | 5/10   | Water absorption:  |                     | NPD  |  |
|  | lensity: | 600 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
|  | uration: | 5  | Direct airborne sound insulation:  |                     | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |          | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                               | <b>-</b>   | Configuration:      | As above   |  |
| Durability against freeze-thaw:  |          | Resistant to Freeze Thaw   | Thermal conductivity:  |                     | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Dangerous Substances:  |          | See Note   | Durability against freeze-thaw:  |                     | Resistant to Freeze Thaw                                       |  |
| Dangerous Substances.  |          |  | Dangerous Substances:  |                     | See Note   |  |
| Note: Information on Dangerous subs<br>appropriate form. See Annex ZA3 of E                  |          | will only be given when and where required in the 71-4:2011.             | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                     | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300674

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bui<br>5 Grange Pa<br>Northa  | Declaration of Performance<br>DOP/HANUK/TH/6300681<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                 |  |  |
|--|--|--|-----------------|--|--|
| BS E   | N 771-4:2011   |  | Confi           | irms that:   |  |
| Т  | enchblock<br>12  |  | Tren            | chblock<br>12  |  |
| Category II. 440 x 275 x 215 mm  | autoclaved aerated concrete masonry units  | Conforms to the  | Harmonised Eur  | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 275 (mm) x 215 (mm  |  | Category II, 440 x 2   | 75 x 215 mm, au | itoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances: category   | GPLM (unless stated otherwise on the delivery  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                 |  |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogonu        | CDI M (unloss stated athenuise on the delivery ticket)         |  |
| Compressive strength:  | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]   | Configuration:   | category:       | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement  | Nominal 0.50 mm/m  | Compressive strength:  |                 | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                 |  |  |
| Flexural Bond Strength:  | NPD  | Moist<br>Shear Bond strength:  | ture Movement:  | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:    | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  | Reaction to fire:  |                 | NPD  |  |
| Water vapour diffusion coefficient :<br>Fixed Value                                | 5/10   | Water absorption:  |                 | Euroclass A1   |  |
| Direct airborne sound insulation:  | 5,10   |  | -4-             | NPD  |  |
| Gross density  | 600 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | Fixed Value:    | 5/10   |  |
| Configuration  | As Above   | Direct airborne sound insulation:  | Gross density:  | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  | Configuration:  | As above   |  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   | Durability against freeze-thaw:  |                 | 0.13 W/m.K [ $\lambda_{10,dry unit}$ , S2]                     |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                 | Resistant to Freeze Thaw<br>See Note                           |  |
| Note: Information on Dangerous substances appropriate form. See Annex ZA3 of BS EN | will only be given when and where required in the 71-4:2011.   |  |                 | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300681

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited  |          |  |   |  | DOP/HANU<br>undersigned, re | DF Performance<br>JK/TH/6300698<br>presenting the following:        |  |
|---|----------|--|---|--|-----------------------------|---|--|
| 5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                      |          |  | - | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                             |   |  |
|   | BS EI    | N 771-4:2011   |   |  | Confi                       | irms that:  |  |
|   | Tre      | nchblock<br>12   |   |  | Tren                        | chblock<br>12   |  |
| Category II, 440 x 300 x 2  | 5 mm a   | utoclaved aerated concrete masonry units                                 |   | Conforms to the  | Harmonised Eur              | opean Standard: BS EN 771-4:2011                                    |  |
| Dimensions: 440 (mm) x 300 (mm) x 2   | 5 (mm)   |  |   | Category II, 440 x 3   | 00 x 215 mm,au              | toclaved aerated concrete masonry units                             |  |
| Dimensional tolerances:   | tegory:  | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                             |   |  |
| Configuration:  |          | Solid  |   | Dimensional tolerances:  | category:                   | GPLM (unless stated otherwise on the delivery ticket)               |  |
| Compressive strength:   |          | Mean 3.60 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category.                   | Solid   |  |
| Dimension Stability:<br>Moisture Mov  | ement:   | Nominal 0.50 mm/m  |   | Compressive strength:  |                             | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]      |  |
| Shear Bond Strength:<br>Fixed   | value:   | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   | ture Movement:              | Nominal 0.50 mm/m   |  |
| Flexural Bond Strength:   |          | NPD  |   | Shear Bond strength:   |                             | _   |  |
| Reaction to fire:   |          | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:                | 0.15 N/mm <sup>2</sup><br>NPD                                       |  |
| Water Absorption:   |          | NPD  |   | Reaction to fire:  |                             |   |  |
| Water vapour diffusion coefficient :  | Value:   | 5/10   |   | Water absorption:  |                             | Euroclass A1  |  |
| Direct airborne sound insulation:   | value.   | 5/10   |   |  |                             | NPD   |  |
| Gross   | lensity: | 600 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | it:<br>Fixed Value:         | 5/10  |  |
|   | uration: | As Above   |   | Direct airborne sound insulation:  | Gross density:              | 600 kg/m <sup>3</sup>   |  |
| Thermal conductivity:   |          | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                                |   | Thermal conductivity:  | Configuration:              | As above  |  |
| Durability against freeze-thaw:   |          | Resistant to Freeze Thaw   |   | Durability against freeze-thaw:  |                             | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                          |  |
| Dangerous Substances:   |          | See Note   |   | Dangerous Substances:  |                             | Resistant to Freeze Thaw  |  |
| Note: Information on Dangerous subs<br>appropriate form. See Annex ZA3 of E |          | will only be given when and where required in the 71-4:2011.             |   |  |                             | See Note<br>only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300698

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

|   |  |  | DOP/HANU   | DF Performance<br>JK/TH/6300704<br>presenting the following: |   |  |
|---|--|--|--|--|---|--|
| Forterra Bui<br>5 Grange Pa<br>Northa   |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |  |   |  |
| BS E  | N 771-4:2011   |  |  | Conf   | irms that:  |  |
| Т   | renchblock<br>12   |  |  | Tren   | ichblock<br>12  |  |
| Category II. 440 x 355 x 215 mm   | autoclaved aerated concrete masonry units                              |  | Conforms to the  | Harmonised Eur   | ropean Standard: BS EN 771-4:2011                       |  |
| Dimensions: 440 (mm) x 355 (mm) x 215 (mm   |  |  | Category II, 440 x 3   | 55 x 215 mm, au  | utoclaved aerated concrete masonry units                |  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery                          |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogon <i>i</i> :   | GPLM (unless stated otherwise on the delivery ticket)   |  |
| Compressive strength:   | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:  | Solid   |  |
| Dimension Stability:<br>Moisture Movement   | Nominal 0.50 mm/m  |  | Compressive strength:  |  | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]      |  |
| Shear Bond Strength:<br>Fixed value   | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |  |   |  |
| Flexural Bond Strength:   | NPD  |  | Moist<br>Shear Bond strength:  | ure Movement:  | Nominal 0.50 mm/m                                       |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>                                  |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |  | NPD   |  |
| Water vapour diffusion coefficient :  |  |  |  |  | Euroclass A1  |  |
| Fixed Value<br>Direct airborne sound insulation:                                      | 5/10   |  | Water absorption:  |  | NPD   |  |
| Gross density   | 600 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | it:<br>Fixed Value:  | 5/10  |  |
| Configuration   | ·  |  | Direct airborne sound insulation:  |  | 600 kg/m <sup>3</sup>                                   |  |
| Thermal conductivity:   | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  | <b>_</b>   | Configuration:   | As above  |  |
| Durability against freeze-thaw:   | Resistant to Freeze Thaw   |  | Thermal conductivity:  |  | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]               |  |
| Dangerous Substances:   | See Note   |  | Durability against freeze-thaw:  |  | Resistant to Freeze Thaw                                |  |
| Dangerous Substances.   |  |  | Dangerous Substances:  |  | See Note  |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN | will only be given when and where required in the 771-4:2011.          | l  | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  | substances will<br>s of BS EN 771-4                          | only be given when and where required in the<br>4:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300704

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

|  |   | Dec  |  | Df Performance                      |  |  |
|--|---|--|--|-------------------------------------|--|--|
|  |   |  | The  | e undersigned, re                   | presenting the following:                                      |  |
| Forterra Bu<br>5 Grange F<br>North   |   | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                                     |  |  |
| BS   | EN 771-4:2011   |  |  | Conf                                | ïrms that:   |  |
|  | Frenchblock<br>12   |  |  | Tren                                | nchblock<br>12   |  |
| Category II 440 x 255 x 140 mr   | n autoclaved aerated concrete masonry units                     |  | Conforms to the  | Harmonised Eu                       | ropean Standard: BS EN 771-4:2011                              |  |
|  |   |  | Category II, 440 x 2   | 55 x 140 mm, au                     | utoclaved aerated concrete masonry units                       |  |
| Dimensions: 440 (mm) x 255 (mm) x 140 (mm<br>Dimensional tolerances:<br>categor      | GPLM (unless stated otherwise on the delivery                   |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                     |  |  |
| Configuration:   | Solid   |  | Dimensional tolerances:  |                                     |  |  |
| Compressive strength:  | Mean 3.60 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II]    |  | Configuration:   | category:                           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movemer   | t: Nominal 0.50 mm/m  |  | Compressive strength:  |                                     | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed valu   | e: 0.15 N/mm <sup>2</sup>                                       |  | Dimensional stability:   |                                     |  |  |
| Flexural Bond Strength:  | NPD   |  | Moist<br>Shear Bond strength:  | ture Movement:                      | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1  |  | Flexural Bond Strength:  | Fixed value:                        |  |  |
| Water Absorption:  | NPD   |  | , i i i i i i i i i i i i i i i i i i i  |                                     | NPD  |  |
| Water vapour diffusion coefficient :   |   |  | Reaction to fire:  |                                     | Euroclass A1   |  |
| Fixed Valu Direct airborne sound insulation:   | e: 5/10   |  | Water absorption:  |                                     | NPD  |  |
| Gross densit   | y: 600 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficien  | nt:<br>Fixed Value:                 | 5/10   |  |
| Configuratio   |   |  | Direct airborne sound insulation:  |                                     |  |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10.dry unit</sub> , S2]                      |  | <b>-</b>   | Configuration:                      |  |  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw  |  | Thermal conductivity:  |                                     | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:  | See Note  |  | Durability against freeze-thaw:  |                                     | Resistant to Freeze Thaw                                       |  |
| -  |   |  | Dangerous Substances:  | aubatanaaa                          | See Note   |  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN | s will only be given when and where required in the 771-4:2011. | J  | appropriate form. See Annex ZA3  | Substances Will<br>B of BS EN 771-4 | l only be given when and where required in the<br>4:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6301237

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars. Full name: Carl Cuthbert

Signed on behalf of the manufacturer:

al la lathlering

Position: Quality Manager

| CE   |                             |  |  | DOP/HANU       | of Performance<br>IK/TH/6301244<br>presenting the following:        |  |
|--|-----------------------------|--|--|----------------|---|--|
| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                             |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                |   |  |
|  | BS EN                       | 771-4:2011   |  | Confi          | rms that:   |  |
|  | Tre                         | nchblock<br>12   |  |                | chblock<br>12   |  |
| Category II, 440 x 27  | 5 x 140 mm ai               | utoclaved aerated concrete masonry units                               | Conforms to the  | Harmonised Eur | opean Standard: BS EN 771-4:2011                                    |  |
| <b>Dimensions:</b> 440 (mm) x 275 (mm  |                             | ····· , · · · · · · · · · · · · · · · ·                                | Category II, 440 x 2   | 75 x 140 mm,au | toclaved aerated concrete masonry units                             |  |
| Dimensional tolerances:  | category:                   | GPLM (unless stated otherwise on the delivery ticket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                |   |  |
| Configuration:   |                             | Solid  | Dimensional tolerances:  | ootogory;      | GPLM (unless stated otherwise on the delivery ticket)               |  |
| Compressive strength:  |                             | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:      | Solid   |  |
|  | e Movement:                 | Nominal 0.50 mm/m  | Compressive strength:  |                | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]                  |  |
| Shear Bond Strength:   | Fixed value:                | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                |   |  |
| Flexural Bond Strength:  |                             | NPD  | Shear Bond strength:   | ure Movement:  | Nominal 0.50 mm/m   |  |
| Reaction to fire:  |                             | Euroclass A1   | Flexural Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup><br>NPD                                       |  |
| Water Absorption:  |                             | NPD  | Reaction to fire:  |                |   |  |
| Water vapour diffusion coefficier  | <b>nt :</b><br>Fixed Value: | 5/10   | Water absorption:  |                | Euroclass A1  |  |
| Direct airborne sound insulation:  |                             | 0,10   | •  |                | NPD   |  |
| Gi   | ross density:               | 600 kg/m <sup>3</sup>  | Water vapour diffusion coefficien  | Fixed Value:   | 5/10  |  |
| C  | onfiguration:               | As Above   | Direct airborne sound insulation:  | Gross density: | 600 kg/m <sup>3</sup>   |  |
| Thermal conductivity:  |                             | $0.13 \text{ W/m.K} [\lambda_{10,dry unit}, S2]$                       | Thermal conductivity:  | Configuration: | As above  |  |
| Durability against freeze-thaw:  |                             | Resistant to Freeze Thaw   | Durability against freeze-thaw:  |                | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                          |  |
| Dangerous Substances:  |                             | See Note   |  |                | Resistant to Freeze Thaw  |  |
| Note: Information on Dangerous appropriate form. See Annex ZA3                               |                             | vill only be given when and where required in the 1-4:2011.            | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                | See Note<br>only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301244

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

|   |  | Declaration of Performance<br>DOP/HANUK/TH/6301251<br>The undersigned, representing the following: |  |                                     |  |  |
|---|--|--|--|-------------------------------------|--|--|
| Forterra Bui<br>5 Grange Pa<br>Northa   |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA       |  |                                     |  |  |
| BSE   | EN 771-4:2011  |  |  | Conf                                | ïrms that:   |  |
| т   | renchblock<br>12   |  |  | Tren                                | nchblock<br>12   |  |
| Category II. 440 x 300 x 140 mm   | autoclaved aerated concrete masonry units                                    |  | Conforms to the  | Harmonised Eu                       | ropean Standard: BS EN 771-4:2011                              |  |
| <b>Dimensions:</b> 440 (mm) x 300 (mm) x 140 (mm                                      |  |  | Category II, 440 x 3   | 00 x 140 mm, au                     | utoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances:   | GPLM (unless stated otherwise on the delivery                                |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                     |  |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogon <i>i</i> :                  | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:   | Mean 3.60 $\text{N/mm}^2$ [ $_{\!\!\!\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                           | Solid  |  |
| Dimension Stability:<br>Moisture Movement   | : Nominal 0.50 mm/m  |  | Compressive strength:  |                                     | Mean 3.60 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:<br>Fixed value   | : 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                                     |  |  |
| Flexural Bond Strength:   | NPD  |  | Moist<br>Shear Bond strength:  | ture Movement:                      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                                     | NPD  |  |
| Water vapour diffusion coefficient :  | 5/40   |  |  |                                     | Euroclass A1   |  |
| Fixed Value<br>Direct airborne sound insulation:                                      | : 5/10   |  | Water absorption:  |                                     | NPD  |  |
| Gross density   | : 600 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:                 | 5/10   |  |
| Configuration   | Ū.   |  | Direct airborne sound insulation:  |                                     |  |  |
| Thermal conductivity:   | 0.13 W/m.K [λ <sub>10.dry unit</sub> , S2]                                   |  | <b>_</b>   | Configuration:                      |  |  |
| Durability against freeze-thaw:   | Resistant to Freeze Thaw   |  | Thermal conductivity:  |                                     | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Dangerous Substances:   | See Note   |  | Durability against freeze-thaw:  |                                     | Resistant to Freeze Thaw                                       |  |
| Dangerous Substances.   |  |  | Dangerous Substances:  |                                     | See Note   |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN | s will only be given when and where required in the 771-4:2011.              | J I  | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  | substances will<br>3 of BS EN 771-4 | l only be given when and where required in the<br>4:2011.      |  |

See Also Declaration of Performance DOP/HANUK/TH/6301251

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

#### **Declaration of Performance** DOP/HANUK/TH/6301374 The undersigned, representing the following: Forterra Building Products Limited Forterra Building Products Limited 5 Grange Park Court, Roman Way 5 Grange Park Court, Roman Way Northampton, NN4 5EA Northampton, NN4 5EA BS EN 771-4:2011 Confirms that: Trenchblock Trenchblock 12 12 Conforms to the Harmonised European Standard: BS EN 771-4:2011 Category II, 440 x 355 x 140 mm autoclaved aerated concrete masonry units Category II. 440 x 355 x 140 mm. autoclaved aerated concrete masonry units Dimensions: 440 (mm) x 355 (mm) x 140 (mm) Dimensional tolerances: GPLM (unless stated otherwise on the delivery Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 category: ticket) Regulation (EU): 305/2011 Solid Dimensional tolerances: Configuration: category: GPLM (unless stated otherwise on the delivery ticket) Mean 3.60 N/mm<sup>2</sup> [1 bed face, whole unit], [Cat II] Compressive strength: Configuration: Solid **Dimension Stability:** Compressive strength: Moisture Movement: Nominal 0.50 mm/m Mean 3.60 N/mm<sup>2</sup> [ + bed face, whole unit]. [Cat II] Shear Bond Strength: Dimensional stability: 0.15 N/mm<sup>2</sup> Fixed value: Moisture Movement: Nominal 0 50 mm/m Flexural Bond Strength: NPD Shear Bond strength: Fixed value: 0.15 N/mm<sup>2</sup> Reaction to fire: Euroclass A1 Flexural Bond Strength: NPD NPD Water Absorption: Reaction to fire: Euroclass A1 Water vapour diffusion coefficient : Fixed Value: 5/10 Water absorption: NPD Direct airborne sound insulation: Water vapour diffusion coefficient: Gross density: 600 kg/m<sup>3</sup> Fixed Value: 5/10 Direct airborne sound insulation: As Above Configuration: 600 ka/m<sup>3</sup> Gross density: Configuration: As above Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Thermal conductivity: 0.13 W/m.K [λ<sub>10,dry unit</sub>, S2] Durability against freeze-thaw: Resistant to Freeze Thaw Durability against freeze-thaw: Resistant to Freeze Thaw **Dangerous Substances:** See Note **Dangerous Substances:** See Note Note: Information on Dangerous substances will only be given when and where required in the Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. appropriate form. See Annex ZA3 of BS EN 771-4:2011.

See Also Declaration of Performance DOP/HANUK/TH/6301374

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

Ach lathere Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Build<br>5 Grange Park<br>Northam   | Declaration of Performance<br>DOP/HANUK/TH/6300544<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                                  |  |  |
|--|--|--|----------------------------------|--|--|
| BS EN  | I 771-4:2011   |  | Confi                            | irms that:   |  |
| Trenchl  | block T and G<br>12  |  |                                  | lock T and G<br>12   |  |
| Category II, 440 x 255 x 215 mm a  | utoclaved aerated concrete masonry units   | Conforms to the  | Harmonised Eur                   | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 440 (mm) x 255 (mm) x 215 (mm)   | -  | Category II, 440 x 2   | 55 x 215 mm,  au                 | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:   | Solid  | Dimensional tolerances:  |                                  |  |  |
| Compressive strength:  | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]   | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:  | NPD  | Moist<br>Shear Bond strength:  | ture Movement:                   | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  | C C  |                                  | NPD  |  |
| Water vapour diffusion coefficient :   |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Fixed Value:   | 5/10   | Water absorption:  |                                  | NPD  |  |
| Direct airborne sound insulation:  |  | Water vapour diffusion coefficier  |                                  | 5/40   |  |
| Gross density:   | 600 kg/m <sup>3</sup>  | Direct airborne sound insulation:  | Fixed Value:                     | 5/10   |  |
| Configuration:   | As Above   |  | Gross density:<br>Configuration: | 600 kg/m <sup>3</sup><br>As above                              |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]  | Thermal conductivity:  | comgaration.                     | 0.13 W/m.K [λ <sub>10.drv unit</sub> S2]                       |  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   | Durability against freeze-thaw:  |                                  | Resistant to Freeze Thaw                                       |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dangerous substances a<br>appropriate form. See Annex ZA3 of BS EN 77 | will only be given when and where required in the<br>'1-4:2011.  |  |                                  | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300544

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |  | Declaration of Performance<br>DOP/HANUK/TH/6300551<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |   |   |
|--|--|--|---|---|
| Trench   | block T and G<br>12  |  | Trenchb   | ock T and G<br>12                                     |
| Category II, 440 x 275 x 215 mm a  | autoclaved aerated concrete masonry units  | Conforms to the  | Harmonised Eur  | opean Standard: BS EN 771-4:2011                      |
| <b>Dimensions:</b> 440 (mm) x 275 (mm) x 215 (mm)  |  | Category II, 440 x 2   | 75 x 215 mm, au   | toclaved aerated concrete masonry units               |
| Dimensional tolerances:  | GPLM (unless stated otherwise on the delivery  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |   |   |
| Configuration:   | Solid  | Dimensional tolerances:  | catogory"   | GPLM (unless stated otherwise on the delivery ticket) |
| Compressive strength:  | Mean 3.60 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II]                   | Configuration:   | category:   | Solid   |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  | Compressive strength:  |   | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]    |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | turo Mourana'   | Naminal 0.50 mm/m                                     |
| Flexural Bond Strength:  | NPD  | MOIST<br>Shear Bond strength:  | ture Movement:  | Nominal 0.50 mm/m                                     |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup><br>NPD                         |
| Water Absorption:  | NPD  | Reaction to fire:  |   |   |
| Water vapour diffusion coefficient :<br>Fixed Value:   | 5/10   |  |   | Euroclass A1  |
| Direct airborne sound insulation:  | 5/10   | Water absorption:  |   | NPD   |
| Gross density:   | 600 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | Fixed Value:  | 5/10  |
| Configuration:   | 5  | Direct airborne sound insulation:  | Gross density:  | 600 kg/m <sup>3</sup>                                 |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  | Configuration:  | As above  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   | Durability against freeze-thaw:  |   | 0.13 W/m.K [ $\lambda_{10,dry unit}$ , S2]            |
| Dangerous Substances:  | See Note   |  |   | Resistant to Freeze Thaw                              |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7                          | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3 |  | See Note<br>only be given when and where required in the<br>I:2011. |   |

See Also Declaration of Performance DOP/HANUK/TH/6300551

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Buildi<br>5 Grange Park<br>Northam   |  | Declaration of Performance<br>DOP/HANUK/TH/6300568<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |  |  |
|---|--|--|--|---------------------|--|--|
| BS EN   | 771-4:2011   |  |  | Confi               | irms that:   |  |
| Trencht   | block T and G<br>12  |  |  | Trenchbl            | lock T and G<br>12   |  |
| Category II, 440 x 300 x 215 mm a   | utoclaved aerated concrete masonry units                               |  | Conforms to the  | Harmonised Eur      | ropean Standard: BS EN 771-4:2011                              |  |
| <b>Dimensions:</b> 440 (mm) x 300 (mm) x 215 (mm)   | -  |  | Category II, 440 x 3   | 00 x 215 mm,  au    | itoclaved aerated concrete masonry units                       |  |
| Dimensional tolerances: category:   | GPLM (unless stated otherwise on the delivery ticket)                  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:  | Solid  |  | Dimensional tolerances:  | ootogon <i>i</i> :  | CPI M (upless stated athenuise on the delivery ticket)         |  |
| Compressive strength:   | Mean 3.60 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:  | Nominal 0.50 mm/m  |  | Compressive strength:  |                     | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:  | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:   | NPD  |  | Shear Bond strength:   | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:   | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   | NPD  |  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :  | 5/40   |  |  |                     | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:   | 5/10   |  | Water absorption:  |                     | NPD  |  |
| Gross density:  | 600 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
| Configuration:  | As Above   |  | Direct airborne sound insulation:  |                     | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  |  | Configuration:      | As above   |  |
| 2   | Resistant to Freeze Thaw   |  | Thermal conductivity:  |                     | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Durability against freeze-thaw:   |  |  | Durability against freeze-thaw:  |                     | Resistant to Freeze Thaw                                       |  |
| Dangerous Substances:   | See Note   |  | Dangerous Substances:  |                     | See Note   |  |
| Note: Information on Dangerous substances was appropriate form. See Annex ZA3 of BS EN 77 | vill only be given when and where required in the 1-4:2011.            |  | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                     | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300568

Date: 05 October 2015

Full name: Carl Cuthbert

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

al la lathlering

Position: Quality Manager

Signed on behalf of the manufacturer:

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  | Declaration of Performance<br>DOP/HANUK/TH/6300575<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                                  |  |  |
|--|--|--|----------------------------------|--|--|
| BS EN  | 771-4:2011   |  | Confi                            | rms that:  |  |
| Trencht  | llock T and G<br>12  |  |                                  | ock T and G<br>12  |  |
| Category II, 440 x 355 x 215 mm at   | utoclaved aerated concrete masonry units                     | Conforms to the  | Harmonised Eur                   | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 355 (mm) x 215 (mm)   |  | Category II, 440 x 35  | 55 x 215 mm, au                  | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)        | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                                  |  |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogon "                        | CDI M (uplace stated attenuise on the delivery ticket)         |  |
| Compressive strength:  | Mean 3.60 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 3.60 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>                                       | Dimensional stability:   |                                  |  |  |
| Flexural Bond Strength:  | NPD  | Moist<br>Shear Bond strength:  | ure Movement:                    | Nominal 0.50 mm/m  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  | NPD  | 5  |                                  | NPD  |  |
| Water vapour diffusion coefficient :   |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Fixed Value:<br>Direct airborne sound insulation:  | 5/10   | Water absorption:  |                                  | NPD  |  |
|  | coo != /= <sup>3</sup>                                       | Water vapour diffusion coefficien  | t:<br>Fixed Value:               | 5/10   |  |
| Gross density:   | 600 kg/m <sup>3</sup>  | Direct airborne sound insulation:  |                                  |  |  |
| Configuration:   | As Above   |  | Gross density:<br>Configuration: | 600 kg/m³<br>As above  |  |
| Thermal conductivity:  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                   | Thermal conductivity:  | -                                | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw                                     | Durability against freeze-thaw:  |                                  | Resistant to Freeze Thaw                                       |  |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dangerous substances v<br>appropriate form. See Annex ZA3 of BS EN 77   | vill only be given when and where required in the 1-4:2011.  | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                                  | only be given when and where required in the<br>22011.         |  |

See Also Declaration of Performance DOP/HANUK/TH/6300575

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Build<br>5 Grange Pari<br>Northam   |  | Declaration of Performance<br>DOP/HANUK/TH/6300407<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |   |
|--|--|--|--|---------------------|---|
|  | N 771-4:2011   |  |  | Confi               | rms that:   |
| Hi Strengt   | h 7 Trenchblock<br>12  |  |  |                     | 7 Trenchblock<br>12                                       |
| Category II, 440 x 255 x 215 mm a  | utoclaved aerated concrete masonry units                         |  | Conforms to the  | e Harmonised Eur    | opean Standard: BS EN 771-4:2011                          |
| Dimensions: 440 (mm) x 255 (mm) x 215 (mm)   |  |  | Category II, 440 x 2   | 55 x 215 mm, au     | toclaved aerated concrete masonry units                   |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)            |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |   |
| Configuration:   | Solid  |  | Dimensional tolerances:  | category:           | GPLM (unless stated otherwise on the delivery ticket)     |
| Compressive strength:  | Mean 7.30 N/mm $^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:           | Solid   |
| Dimension Stability:<br>Moisture Movement:<br>Shear Bond Strength:                       | Nominal 0.50 mm/m  |  | Compressive strength:  |                     | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]        |
| Fixed value:   | 0.15 N/mm <sup>2</sup>   |  | Dimensional stability:   | ture Movement:      | Nominal 0.50 mm/m   |
| Flexural Bond Strength:  | NPD  |  | Shear Bond strength:   |                     |   |
| Reaction to fire:  | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup><br>NPD                             |
| Water Absorption:  | NPD  |  | Reaction to fire:  |                     |   |
| Water vapour diffusion coefficient :<br>Fixed Value:                                     | 5/10   |  | Water absorption:  |                     | Euroclass A1  |
| Direct airborne sound insulation:  |  |  |  |                     | NPD   |
| Gross density:   | 730 kg/m <sup>3</sup>  |  | Water vapour diffusion coefficier  | Fixed Value:        | 5/10  |
| Configuration:   | As Above   |  | Direct airborne sound insulation   | :<br>Gross density: | 730 kg/m <sup>3</sup>                                     |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                        |  | Thermal conductivity:  | Configuration:      | As above  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   |  | -  |                     | $0.16 \text{ W/m.K} [\lambda_{10,dry \text{ unit, }} S2]$ |
| Dangerous Substances:  | See Note   |  | Durability against freeze-thaw:  |                     | Resistant to Freeze Thaw                                  |
|  |  |  | Dangerous Substances:<br>Note: Information on Dangerous  | substances will     | See Note only be given when and where required in the     |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 77 | will only be given when and where required in the 71-4:2011.     | J I  | appropriate form. See Annex ZA3  |                     |   |

See Also Declaration of Performance DOP/HANUK/TH/6300407

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                            |  | Declaration of Performance<br>DOP/HANUK/TH/6300414<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                                    |  |
|---|--|--|------------------------------------|--|
| Hi Strengt  | h 7 Trenchblock<br>12  |  | Hi Strength                        | 7 Trenchblock<br>12  |
| Category II, 440 x 275 x 215 mm a<br>Dimensions: 440 (mm) x 275 (mm) x 215 (mm)<br>Dimensional tolerances:<br>category: | utoclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) | Category II, 440 x 2   | 75 x 215 mm,au<br>ct conforms: Sta | ropean Standard: <b>BS EN 771-4:2011</b><br>utoclaved aerated concrete masonry units<br>ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:<br>Compressive strength:<br>Dimension Stability:   | Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]                              | Dimensional tolerances:<br>Configuration:  | category:                          | GPLM (unless stated otherwise on the delivery ticket)<br>Solid   |
| Shear Bond Strength: Fixed value:   | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup>  | Compressive strength:<br>Dimensional stability:<br>Moisi   | ture Movement:                     | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]<br>Nominal 0.50 mm/m  |
| Flexural Bond Strength:<br>Reaction to fire:  | NPD<br>Euroclass A1  | Shear Bond strength:<br>Flexural Bond Strength:  | Fixed value:                       | 0.15 N/mm <sup>2</sup><br>NPD  |
| Water Absorption:<br>Water vapour diffusion coefficient :<br>Fixed Value:   | NPD<br>5/10  | Reaction to fire:<br>Water absorption:   |                                    | Euroclass A1   |
| Direct airborne sound insulation:<br>Gross density:<br>Configuration:   | 730 kg/m <sup>3</sup><br>As Above  | Water vapour diffusion coefficier  | Fixed Value:<br>Gross density:     | 5/10<br>730 kg/m <sup>3</sup>  |
| Thermal conductivity:<br>Durability against freeze-thaw:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> ,S2]<br>Resistant to Freeze Thaw                                | Thermal conductivity:<br>Durability against freeze-thaw:   | Configuration:                     | As above<br>0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |
| Dangerous Substances:<br>Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 77       | See Note<br>will only be given when and where required in the<br>/1-4:2011.                          | Dangerous Substances:  |                                    | Resistant to Freeze Thaw<br>See Note<br>only be given when and where required in the<br>I:2011.  |

See Also Declaration of Performance DOP/HANUK/TH/6300414

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Build<br>5 Grange Part<br>Northam   | Declaration of Performance<br>DOP/HANUK/TH/6300421<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                     |  |
|--|--|--|---------------------|--|
|  | N 771-4:2011   |  | Confi               | rms that:  |
| ni Strengt   | h 7 Trenchblock<br>12  |  |                     | 7 Trenchblock<br>12  |
| Category II, 440 x 300 x 215 mm a  | utoclaved aerated concrete masonry units   | Conforms to the  | e Harmonised Eur    | opean Standard: BS EN 771-4:2011                                   |
| Dimensions: 440 (mm) x 300 (mm) x 215 (mm)   |  | Category II, 440 x 3   | 00 x 215 mm, au     | toclaved aerated concrete masonry units                            |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery ticket)  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogonu            | CDI M (upless stated athenuise on the delivery ticket)             |
| Compressive strength:  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II]   | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid     |
| Dimension Stability:<br>Moisture Movement:   | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]                 |
| Shear Bond Strength:<br>Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |
| Flexural Bond Strength:  | NPD  | Shear Bond strength:   | ture Movement:      | Nominal 0.50 mm/m  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup><br>NPD                                      |
| Water Absorption:  | NPD  | Reaction to fire:  |                     |  |
| Water vapour diffusion coefficient :<br>Fixed Value:                                     | 5/10   | Water absorption:  |                     | Euroclass A1   |
| Direct airborne sound insulation:  | 5.10   |  |                     | NPD  |
| Gross density:   | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | Fixed Value:        | 5/10   |
| Configuration:   | As Above   | Direct airborne sound insulation   | :<br>Gross density: | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  | Configuration:      | As above   |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   | Durability against freeze-thaw:  |                     | $0.16 \text{ W/m.K} [\lambda_{10,dry \text{ unit, }} S2]$          |
| Dangerous Substances:  | See Note   |  |                     | Resistant to Freeze Thaw   |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 77 | will only be given when and where required in the<br>71-4:2011.  | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3                             |                     | See Note<br>only be given when and where required in the<br>:2011. |

See Also Declaration of Performance DOP/HANUK/TH/6300421

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  | Declaration of Performance<br>DOP/HANUK/TH/6300438<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                                  |  |
|--|--|--|----------------------------------|--|
|  | th 7 Trenchblock   |  |                                  | 7 Trenchblock  |
|  | 12   |  |                                  | 12   |
| Category II, 440 x 355 x 215 mm a  | nutoclaved aerated concrete masonry units                                | Conforms to the  | e Harmonised Eur                 | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 440 (mm) x 355 (mm) x 215 (mm)   |  | Category II, 440 x 3   | 55 x 215 mm, au                  | toclaved aerated concrete masonry units                        |
| Dimensional tolerances: category:  | GPLM (unless stated otherwise on the delivery                            | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                                  |  |
| Configuration:   | Solid  | Dimensional tolerances:  | ootogon <i>i</i> :               | CPI M (upless stated attenuing on the delivery ticket)         |
| Compressive strength:  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Movement:<br>Shear Bond Strength:                           | Nominal 0.50 mm/m  | Compressive strength:  |                                  | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]             |
| Fixed value:   | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | ture Movement:                   | Nominal 0.50 mm/m  |
| Flexural Bond Strength:  | NPD  | Shear Bond strength:   |                                  |  |
| Reaction to fire:  | Euroclass A1   | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:  | NPD  | Reaction to fire:  |                                  | NPD  |
| Water vapour diffusion coefficient :   | 5/40   |  |                                  | Euroclass A1   |
| Fixed Value:<br>Direct airborne sound insulation:  | 5/10   | Water absorption:  |                                  | NPD  |
| Gross density:   | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:              | 5/10   |
| Configuration:   | 5  | Direct airborne sound insulation   | :                                | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               |  | Gross density:<br>Configuration: | As above   |
|  | Resistant to Freeze Thaw   | Thermal conductivity:  |                                  | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |
| Durability against freeze-thaw:  |  | Durability against freeze-thaw:  |                                  | Resistant to Freeze Thaw                                       |
| Dangerous Substances:  | See Note   | Dangerous Substances:  |                                  | See Note   |
| Note: Information on Dangerous substances appropriate form. See Annex ZA3 of BS EN 7         | will only be given when and where required in the 71-4:2011.             | Note: Information on Dangerous appropriate form. See Annex ZA  |                                  | only be given when and where required in the<br>I:2011.        |

See Also Declaration of Performance DOP/HANUK/TH/6300438

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |  |   | Declaration of Performance<br>DOP/HANUK/TH/6301169<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                     | JK/TH/6301169<br>epresenting the following:<br>ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA |  |
|--|--|---|--|---------------------|---|--|
| Hi Streng  | th 7 Trenchblock<br>12   |   |  | Hi Strength         | 7 Trenchblock<br>12   |  |
| Category II, 440 x 275 x 140 mm a  | nutoclaved aerated concrete masonry units                                |   | Conforms to the  | e Harmonised Eu     | ropean Standard: BS EN 771-4:2011   |  |
| <b>Dimensions:</b> 440 (mm) x 275 (mm) x 140 (mm)  | -  |   | Category II, 440 x 2   | 75 x 140 mm, au     | utoclaved aerated concrete masonry units  |  |
| Dimensional tolerances:<br>category:   | GPLM (unless stated otherwise on the delivery ticket)                    |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                     |   |  |
| Configuration:   | Solid  |   | Dimensional tolerances:  | category            | GPLM (unless stated otherwise on the delivery ticket)   |  |
| Compressive strength:  | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] |   | Configuration:   | category:           | Solid   |  |
| Dimension Stability:<br>Moisture Movement:<br>Shear Bond Strength:   | Nominal 0.50 mm/m  |   | Compressive strength:  |                     | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |  |
| Fixed value:   | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   | ture Movement:      | Nominal 0.50 mm/m   |  |
| Flexural Bond Strength:  | NPD  |   | Shear Bond strength:   |                     |   |  |
| Reaction to fire:  | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup><br>NPD   |  |
| Water Absorption:  | NPD  |   | Reaction to fire:  |                     |   |  |
| Water vapour diffusion coefficient :<br>Fixed Value:   | 5/10   |   |  |                     | Euroclass A1  |  |
| Direct airborne sound insulation:  | on to  |   | Water absorption:  |                     | NPD   |  |
| Gross density:   | 730 kg/m <sup>3</sup>  |   | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10  |  |
| Configuration:   | 5  |   | Direct airborne sound insulation   | :<br>Gross density: | 730 kg/m <sup>3</sup>   |  |
| Thermal conductivity:  | 0.16 W/m.K [λ <sub>10.dry unit</sub> , S2]                               |   | Thormal conductivity:  | Configuration:      | As above  |  |
| Durability against freeze-thaw:  | Resistant to Freeze Thaw   |   | Thermal conductivity:  |                     | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]   |  |
| Dangerous Substances:  | See Note   |   | Durability against freeze-thaw:  |                     | Resistant to Freeze Thaw  |  |
| , i i i i i i i i i i i i i i i i i i i  |  |   | Dangerous Substances:  | aubatanaaa!!!       | See Note  |  |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7                          | will only be given when and where required in the 71-4:2011.             | J | Note: Information on Dangerous<br>appropriate form. See Annex ZA3  |                     | l only be given when and where required in the<br>4:2011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301169

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011        |  | Declaration of Performance<br>DOP/HANUK/TH/6301596<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                                       |   |
|---|--|--|---------------------------------------|---|
| Hi Strengt  | h 7 Trenchblock<br>12  |  |                                       | 7 Trenchblock<br>12   |
| Category II, 440 x 300 x 140 mm a<br>Dimensions: 440 (mm) x 300 (mm) x 140 (mm)<br>Dimensional tolerances:<br>category: | utoclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) | Category II, 440 x 3   | 00 x 140 mm,au<br>ct conforms: Sta    | ropean Standard: <b>BS EN 771-4:2011</b><br>itoclaved aerated concrete masonry units<br>indard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:<br>Compressive strength:<br>Dimension Stability:   | Solid Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II]                       | Dimensional tolerances:<br>Configuration:  | category:                             | GPLM (unless stated otherwise on the delivery ticket) Solid   |
| Shear Bond Strength: Fixed value:   | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup>  | Compressive strength:<br>Dimensional stability:  | ture Movement:                        | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]<br>Nominal 0.50 mm/m   |
| Flexural Bond Strength:<br>Reaction to fire:  | NPD<br>Euroclass A1  | Shear Bond strength:   | Fixed value:                          | 0.15 N/mm <sup>2</sup><br>NPD   |
| Water Absorption:<br>Water vapour diffusion coefficient :<br>Fixed Value:   | NPD<br>5/10  | Reaction to fire:<br>Water absorption:   |                                       | Euroclass A1  |
| Direct airborne sound insulation:<br>Gross density:   | 730 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value:                   | NPD<br>5/10   |
| Configuration:  | As Above   | Direct airborne sound insulation   | :<br>Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above   |
| Thermal conductivity:<br>Durability against freeze-thaw:  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>Resistant to Freeze Thaw                               | Thermal conductivity:<br>Durability against freeze-thaw:   |                                       | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]<br>Resistant to Freeze Thaw   |
| Dangerous Substances:<br>Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 77       | See Note<br>will only be given when and where required in the<br>r1-4:2011.                          | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA:   |                                       | See Note<br>only be given when and where required in the  |

See Also Declaration of Performance DOP/HANUK/TH/6301596

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011        |  | Declaration of Performance<br>DOP/HANUK/TH/6301336<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |   |  |
|---|--|--|---|--|
| Hi Streng   | th 7 Trenchblock<br>12   |  |   | 7 Trenchblock<br>12  |
| Category II, 440 x 355 x 140 mm a<br>Dimensions: 440 (mm) x 355 (mm) x 140 (mm)<br>Dimensional tolerances:<br>category: | GPLM (unless stated otherwise on the delivery  | Category II, 440 x 3   | 55 x 140 mm,au<br>ct conforms: Sta                                  | ropean Standard: <b>BS EN 771-4:2011</b><br>itoclaved aerated concrete masonry units<br>ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration:<br>Compressive strength:<br>Dimension Stability:<br>Moisture Movement:                                   | Solid<br>Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]<br>Nominal 0.50 mm/m           | Dimensional tolerances:<br>Configuration:<br>Compressive strength:   | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]                                 |
| Shear Bond Strength:<br>Fixed value:<br>Flexural Bond Strength:<br>Reaction to fire:                                    | 0.15 N/mm <sup>2</sup><br>NPD<br>Euroclass A1  | Dimensional stability:<br>Moist<br>Shear Bond strength:<br>Flexural Bond Strength:   | ture Movement:<br>Fixed value:                                      | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup><br>NPD   |
| Water Absorption:<br>Water vapour diffusion coefficient :<br>Fixed Value:   | NPD<br>5/10  | Reaction to fire:<br>Water absorption:   |   | Euroclass A1   |
| Direct airborne sound insulation:<br>Gross density:<br>Configuration:   | 5  | Water vapour diffusion coefficier  | Fixed Value:<br>Gross density:                                      | 5/10<br>730 kg/m <sup>3</sup>  |
| Thermal conductivity:<br>Durability against freeze-thaw:<br>Dangerous Substances:                                       | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]<br>Resistant to Freeze Thaw<br>See Note          | Thermal conductivity:<br>Durability against freeze-thaw:   | Configuration:  | As above<br>0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>Resistant to Freeze Thaw   |
| Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7                                 | Dangerous Substances:<br>Note: Information on Dangerous<br>appropriate form. See Annex ZA3 |  | See Note<br>only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301336

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                         |  | Declaration of Performance<br>DOP/HANUK/TH/6300162<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                       |  |  |
|--|-------------------------|--|--|-----------------------|--|--|
|  | Hi Strength 7 T         | renchblock T and G<br>12   |  |                       | renchblock T and G<br>12                                       |  |
| Category II, 440 x 255 x 215 mm autoclaved aerated concrete masonry units  |                         |  | Conforms   | to the Harmonised Eur | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 255 (r  |                         |  | Category II, 44  | 40 x 255 x 215 mm,au  | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:  | category:               | GPLM (unless stated otherwise on the delivery ticket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                       |  |  |
| Configuration:   |                         | Solid  | Dimensional tolerances:  | category:             | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:  |                         | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category.             | Solid  |  |
| Dimension Stability:<br>Mois<br>Shear Bond Strength:   | sture Movement:         | Nominal 0.50 mm/m  | Compressive strength:  |                       | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| onear bona otrength.   | Fixed value:            | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | Moisture Movement:    | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:  |                         | NPD  | Shear Bond strength:   |                       |  |  |
| Reaction to fire:  |                         | Euroclass A1   | Flexural Bond Strength:  | Fixed value:          | 0.15 N/mm <sup>2</sup><br>NPD                                  |  |
| Water Absorption:  |                         | NPD  | Reaction to fire:  |                       |  |  |
| Water vapour diffusion coeffic   | cient :<br>Fixed Value: | 5/10   | Water absorption:  |                       | Euroclass A1   |  |
| Direct airborne sound insulati   |                         |  | Water vapour diffusion coe   | fficient              | NPD  |  |
|  | Gross density:          | 730 kg/m <sup>3</sup>  |  | Fixed Value:          | 5/10   |  |
|  | Configuration:          | As Above   | Direct airborne sound insul  | Gross density:        | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |                         | $0.16 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit}}, S2\right]$    | Thermal conductivity:  | Configuration:        | As above   |  |
| Durability against freeze-thaw   | <i>r</i> :              | Resistant to Freeze Thaw   | Durability against freeze-tha  | aw:                   | 0.16 W/m.K [ $\lambda_{10,dry unit}$ , S2]                     |  |
| Dangerous Substances:  |                         | See Note   | Dangerous Substances:  |                       | Resistant to Freeze Thaw<br>See Note                           |  |
| Note: Information on Dangero<br>appropriate form. See Annex 2  |                         | vill only be given when and where required in the 1-4:2011.            |  |                       | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300162

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                          |  | Declaration of Performance<br>DOP/HANUK/TH/6300179<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                       |  |
|--|--------------------------|--|--|-----------------------|--|
|  | Hi Strength 7 T          | renchblock T and G<br>12   |  |                       | enchblock T and G<br>12  |
| Category II, 440 x 275 x 215 mm autoclaved aerated concrete masonry units  |                          |  | Conforms   | to the Harmonised Eur | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 440 (mm) x 275   |                          | ······ , -····   | Category II, 44  | 40 x 275 x 215 mm, au | toclaved aerated concrete masonry units                        |
| Dimensional tolerances:  | category:                | GPLM (unless stated otherwise on the delivery ticket)                  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                       |  |
| Configuration:   |                          | Solid  | Dimensional tolerances:  | category:             | GPLM (unless stated otherwise on the delivery ticket)          |
| Compressive strength:  |                          | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | calegory.             | Solid  |
|  | isture Movement:         | Nominal 0.50 mm/m  | Compressive strength:  |                       | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:   | Fixed value:             | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | Malation Manager 1    |  |
| Flexural Bond Strength:  |                          | NPD  | Shear Bond strength:   | Moisture Movement:    | Nominal 0.50 mm/m  |
| Reaction to fire:  |                          | Euroclass A1   | Flexural Bond Strength:  | Fixed value:          | 0.15 N/mm <sup>2</sup><br>NPD                                  |
| Water Absorption:  |                          | NPD  | Reaction to fire:  |                       |  |
| Water vapour diffusion coeffi  | icient :<br>Fixed Value: | 5/10   | Water absorption:  |                       | Euroclass A1   |
| Direct airborne sound insulat  |                          |  | Water vapour diffusion coef  | ficiont:              | NPD  |
|  | Gross density:           | 730 kg/m <sup>3</sup>  |  | Fixed Value:          | 5/10   |
|  | Configuration:           | As Above   | Direct airborne sound insula   | Gross density:        | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:  |                          | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                             | Thermal conductivity:  | Configuration:        | As above   |
| Durability against freeze-thav   | w:                       | Resistant to Freeze Thaw   | Durability against freeze-tha  | aw:                   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |
| Dangerous Substances:  |                          | See Note   | Dangerous Substances:  |                       | Resistant to Freeze Thaw<br>See Note                           |
| Note: Information on Danger<br>appropriate form. See Annex   |                          | vill only be given when and where required in the 1-4:2011.            |  |                       | only be given when and where required in the                   |

See Also Declaration of Performance DOP/HANUK/TH/6300179

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                               |  | Declaration of Performance<br>DOP/HANUK/TH/6300186<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                       |  |  |
|--|-------------------------------|--|--|-----------------------|--|--|
|  | Hi Strength 7 T               | renchblock T and G<br>12                                     |  |                       | renchblock T and G<br>12                                       |  |
| Category II, 440 x 300 x 215 mm autoclaved aerated concrete masonry units  |                               |  | Conforms   | to the Harmonised Eur | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 300 (n  |                               |  | Category II, 44  | 40 x 300 x 215 mm, au | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:  | category:                     | GPLM (unless stated otherwise on the delivery ticket)        | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                       |  |  |
| Configuration:   |                               | Solid  | Dimensional tolerances:  | category:             | GPLM (unless stated otherwise on the delivery ticket)          |  |
| Compressive strength:  |                               | Mean 7.30 $\text{N/mm}^2$ [⊥ bed face, whole unit]. [Cat II] | Configuration:   | categoly.             | Solid  |  |
|  | ture Movement:                | Nominal 0.50 mm/m  | Compressive strength:  |                       | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:   | Fixed value:                  | 0.15 N/mm <sup>2</sup>                                       | Dimensional stability:   | Malation Manager 1    |  |  |
| Flexural Bond Strength:  |                               | NPD  | Shear Bond strength:   | Moisture Movement:    | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |                               | Euroclass A1   | Flexural Bond Strength:  | Fixed value:          | 0.15 N/mm <sup>2</sup><br>NPD                                  |  |
| Water Absorption:  |                               | NPD  | Reaction to fire:  |                       |  |  |
| Water vapour diffusion coeffic   | <b>ient :</b><br>Fixed Value: | 5/10   | Water absorption:  |                       | Euroclass A1   |  |
| Direct airborne sound insulation   |                               | 0.10   |  | 14 - 1 4 -            | NPD  |  |
|  | Gross density:                | 730 kg/m <sup>3</sup>  | Water vapour diffusion coef  | Fixed Value:          | 5/10   |  |
|  | Configuration:                | As Above   | Direct airborne sound insula   | Gross density:        | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |                               | $0.16 \text{ W/m.K} [\lambda_{10,dry unit}, S2]$             | Thermal conductivity:  | Configuration:        | As above   |  |
| Durability against freeze-thaw: Resistant to Freeze Thaw   |                               |  | Durability against freeze-tha  | aw:                   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Dangerous Substances:  |                               | See Note   | Dangerous Substances:  |                       | Resistant to Freeze Thaw<br>See Note                           |  |
| Note: Information on Dangeron<br>appropriate form. See Annex Z   |                               | vill only be given when and where required in the 1-4:2011.  |  |                       | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300186

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

|   | 5 Grange Park<br>Northamp | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA                 | Declaration of Performance<br>DOP/HANUK/TH/6300193<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                      |  |  |
|---|---------------------------|--|--|----------------------|--|--|
|   |                           | renchblock T and G   |  |                      | rms that:<br>renchblock T and G                                |  |
|   | -                         | 12   |  | ni Strength / Tr     | 12   |  |
| Category II, 440 x 355 x 215 mm autoclaved aerated concrete masonry units |                           |  | Conforms t   | o the Harmonised Eur | opean Standard: BS EN 771-4:2011                               |  |
| Dimensions: 440 (mm) x 355 (m   | m) x 215 (mm)             |  | Category II, 44  | 0 x 355 x 215 mm, au | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:   | category:                 | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                      |  |  |
| Configuration:  |                           | Solid  | Dimensional tolerances:  | ootogon/;            | CPI M (upless stated athenuise on the delivery ticket)         |  |
| Compressive strength:   |                           | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:            | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
|   | ure Movement:             | Nominal 0.50 mm/m  | Compressive strength:  |                      | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]             |  |
| Shear Bond Strength:  | Fixed value:              | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | Moisture Movement:   | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:   |                           | NPD  | Shear Bond strength:   |                      |  |  |
| Reaction to fire:   |                           | Euroclass A1   | Flexural Bond Strength:  | Fixed value:         | 0.15 N/mm <sup>2</sup><br>NPD                                  |  |
| Water Absorption:   |                           | NPD  | Reaction to fire:  |                      |  |  |
| Water vapour diffusion coefficie  | ent :<br>Fixed Value:     | 5/10   | Water absorption:  |                      | Euroclass A1   |  |
| Direct airborne sound insulatio   |                           |  | Water vapour diffusion coef  | ficient              | NPD  |  |
|   | Gross density:            | 730 kg/m <sup>3</sup>  |  | Fixed Value:         | 5/10   |  |
|   | Configuration:            | As Above   | Direct airborne sound insula   | Gross density:       | 730 kg/m <sup>3</sup>  |  |
| Thermal conductivity:   |                           | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                               | Thermal conductivity:  | Configuration:       | As above<br>0.16 W/m.K [λ <sub>10.drv unit.</sub> S2]          |  |
| Durability against freeze-thaw:   |                           | Resistant to Freeze Thaw   | Durability against freeze-tha  | w:                   |  |  |
| Dangerous Substances:   |                           | See Note   | Dangerous Substances:  |                      | Resistant to Freeze Thaw<br>See Note                           |  |
| Note: Information on Dangerou<br>appropriate form. See Annex Z/           |                           | vill only be given when and where required in the 1-4:2011.              | , , , , , , , , , , , , , , , , , , ,  |                      | only be given when and where required in the                   |  |

See Also Declaration of Performance DOP/HANUK/TH/6300193

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

|  | 5 Grange Park<br>Northam | ng Products Limited<br>c Court, Roman Way<br>pton, NN4 5EA                               |  | Declaration of Performance<br>DOP/HANUK/TH/6300018<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                                  |  |
|--|--------------------------|--|--|--|----------------------------------|--|
| Hi Strength 7 Coursing Unit<br>12                      |                          |  |  |  | Hi Strength                      | 7 Coursing Unit<br>12  |
|  |                          | toclaved aerated concrete masonry units  | Conforms to the Harmonised European Standard: <b>BS EN 771-4:2011</b><br>Category II, 215 x 100 x 65 mm, autoclaved aerated concrete masonry units |  |                                  |  |
| Dimensions: 215 (mm) x 10<br>Dimensional tolerances:   | category:                | GPLM (unless stated otherwise on the delivery ticket)                                    |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                                  |  |
| Configuration:   |                          | Solid  |  | Dimensional tolerances:  | anto con u                       | CDI M (uplace stated athenuise on the delivery ticket)         |
| Compressive strength:                                  |                          | Mean 7.30 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] |  | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>N<br>Shear Bond Strength:      | Moisture Movement:       | Nominal 0.50 mm/m  |  | Compressive strength:  |                                  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Flexural Bond Strength:                                | Fixed value:             | 0.15 N/mm <sup>2</sup><br>NPD  |  | Dimensional stability:<br>Shear Bond strength:   | Moisture Movement:               | Nominal 0.50 mm/m  |
| Reaction to fire:                                      |                          | Euroclass A1   |  | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup><br>NPD                                  |
| Water Absorption:<br>Water vapour diffusion co         | efficient :              | NPD  |  | Reaction to fire:  |                                  | Euroclass A1   |
|  | Fixed Value:             | 5/10   |  | Water absorption:  |                                  | NPD  |
| Direct airborne sound insu                             | ulation:                 |  |  | Water vapour diffusion coef  | fficient:                        |  |
|  | Gross density:           | 730 kg/m <sup>3</sup>  |  | Direct airborne sound insul  | Fixed Value:                     | 5/10   |
|  | Configuration:           | As Above   |  |  | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above                              |
| Thermal conductivity:                                  |                          | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]   |  | Thermal conductivity:  |                                  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |
| Durability against freeze-thaw: NPD                    |                          |  |  | Durability against freeze-tha  | aw:                              | NPD  |
| Dangerous Substances:                                  |                          | See Note   |  | Dangerous Substances:  |                                  | See Note   |
| Note: Information on Dang<br>appropriate form. See Ann |                          | vill only be given when and where required in the 1-4:2011.                              | ]  | U U  |                                  | only be given when and where required in the                   |

See Also Declaration of Performance DOP/HANUK/TH/6300018

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

|  | 5 Grange Park<br>Northam          | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA       |   | Declaration of Performance<br>DOP/HANUK/TH/6300025<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                    |   |
|--|-----------------------------------|--|---|--|--------------------|---|
|  | Hi Strength 7 Coursing Unit<br>12 |  |   |  | Hi Strength        | 7 Coursing Unit<br>12   |
| Category II, 215 x 115 x 65 mm autoclaved aerated concrete masonry units |                                   |  |   |  |                    | opean Standard: BS EN 771-4:2011  |
| Dimensions: 215 (mm) x 11<br>Dimensional tolerances:                     | 5 (mm) x 65 (mm)<br>category:     | GPLM (unless stated otherwise on the delivery ticket)          |   | Category II, 215 x 115 x 65 mm, autoclaved aerated concrete masonry units<br>Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011                  |                    |   |
| Configuration:   |                                   | Solid  |   | Dimensional tolerances:  |                    |   |
| Compressive strength:  |                                   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |   | Configuration:   | category:          | GPLM (unless stated otherwise on the delivery ticket)                   |
|  | loisture Movement:                | Nominal 0.50 mm/m  |   | Compressive strength:  |                    | Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:   | Fixed value:                      | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                    |   |
| Flexural Bond Strength:  |                                   | NPD  |   | Shear Bond strength:   | Moisture Movement: | Nominal 0.50 mm/m   |
| Reaction to fire:  |                                   | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup><br>NPD   |
| Water Absorption:  |                                   | NPD  |   | Reaction to fire:  |                    | Euroclass A1  |
| Water vapour diffusion coe   | Fixed Value:                      | 5/10   |   | Water absorption:  |                    |   |
| Direct airborne sound insu   | lation:                           |  |   | Water vapour diffusion coel  | fficient           | NPD   |
|  | Gross density:                    | 730 kg/m <sup>3</sup>  |   |  | Fixed Value:       | 5/10  |
|  | Configuration:                    | As Above   |   | Direct airborne sound insul  | Gross density:     | 730 kg/m <sup>3</sup>   |
| Thermal conductivity:  |                                   | $0.16 \text{ W/m.K} [\lambda_{10,dry \text{ unit}}, S2]$       |   | Thermal conductivity:  | Configuration:     | As above<br>0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                   |
| Durability against freeze-thaw: NPD                                      |                                   |  |   | Durability against freeze-tha  | aw:                |   |
| Dangerous Substances:  |                                   | See Note   |   | Dangerous Substances:  |                    | NPD<br>See Note   |
| Note: Information on Dang<br>appropriate form. See Anne                  |                                   | vill only be given when and where required in the 1-4:2011.    | ] | U U  |                    | only be given when and where required in the                            |

See Also Declaration of Performance DOP/HANUK/TH/6300025

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

|  | 5 Grange Park<br>Northam    | ng Products Limited<br>c Court, Roman Way<br>pton, NN4 5EA             |     | Declaration of Performance<br>DOP/HANUK/TH/6300032<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                           |  |
|--|-----------------------------|--|-----|--|---------------------------|--|
|  | Hi Strength                 | 7 Coursing Unit<br>12  |     |  | Hi Strength               | 7 Coursing Unit<br>12  |
| Category II, 215 x 125 x 65 mm autoclaved aerated concrete masonry units |                             |  |     | Conforms   | to the Harmonised Eur     | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 215 (mm) x 125 (mm) x 65 (mm)                                |                             |  |     | Category II, 2   | 15 x 125 x 65 mm, aut     | oclaved aerated concrete masonry units                         |
| Dimensional tolerances:  | category:                   | GPLM (unless stated otherwise on the delivery ticket)                  |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                           |  |
| Configuration:   |                             | Solid  |     | Dimensional tolerances:  | anto gony:                | GPLM (unless stated otherwise on the delivery ticket)          |
| Compressive strength:  |                             | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:                 | Solid  |
|  | loisture Movement:          | Nominal 0.50 mm/m  |     | Compressive strength:  |                           | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:   | Fixed value:                | 0.15 N/mm <sup>2</sup>   |     | Dimensional stability:   |                           |  |
| Flexural Bond Strength:  |                             | NPD  |     | Shear Bond strength:   | Moisture Movement:        | Nominal 0.50 mm/m  |
| Reaction to fire:  |                             | Euroclass A1   |     | Flexural Bond Strength:  | Fixed value:              | 0.15 N/mm <sup>2</sup><br>NPD                                  |
| Water Absorption:  |                             | NPD  |     | Reaction to fire:  |                           |  |
| Water vapour diffusion coe   | efficient :<br>Fixed Value: | 5/10   |     |  |                           | Euroclass A1   |
| Direct airborne sound insu   |                             | 5/10   |     | Water absorption:  |                           | NPD  |
|  | Gross density:              | 730 kg/m <sup>3</sup>  |     | Water vapour diffusion coef  | fficient:<br>Fixed Value: | 5/10   |
|  | Configuration:              | As Above   |     | Direct airborne sound insul  |                           | 730 kg/m <sup>3</sup>  |
| Thermal conductivity:  |                             | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |     |  | Configuration:            | As above   |
| Durability against freeze-th   | aw.                         | NPD  |     | Thermal conductivity:  |                           | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |
|  |                             | See Note   |     | Durability against freeze-tha  | aw:                       | NPD  |
| Dangerous Substances:  |                             | See Note   |     | Dangerous Substances:  |                           | See Note   |
| Note: Information on Dang appropriate form. See Ann                      |                             | vill only be given when and where required in the 1-4:2011.            | j i | Note: Information on Dange<br>appropriate form. See Anne   |                           | only be given when and where required in the :2011.            |

See Also Declaration of Performance DOP/HANUK/TH/6300032

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                                   |  |   | Declaration of Performance<br>DOP/HANUK/TH/6300049<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                    |   |
|--|-----------------------------------|--|---|--|--------------------|---|
|  | Hi Strength 7 Coursing Unit<br>12 |  |   |  | Hi Strength        | 7 Coursing Unit<br>12   |
| Category II, 215 x 140 x 65 mm autoclaved aerated concrete masonry units   |                                   |  |   |  |                    | opean Standard: BS EN 771-4:2011  |
| Dimensions: 215 (mm) x 14<br>Dimensional tolerances:   | 0 (mm) x 65 (mm)<br>category:     | GPLM (unless stated otherwise on the delivery ticket)          |   | Category II, 215 x 140 x 65 mm, autoclaved aerated concrete masonry units<br>Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011                  |                    |   |
| Configuration:   |                                   | Solid  |   | Dimensional tolerances:  |                    |   |
| Compressive strength:  |                                   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |   | Configuration:   | category:          | GPLM (unless stated otherwise on the delivery ticket)                   |
|  | loisture Movement:                | Nominal 0.50 mm/m  |   | Compressive strength:  |                    | Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Shear Bond Strength:   | Fixed value:                      | 0.15 N/mm <sup>2</sup>   |   | Dimensional stability:   |                    |   |
| Flexural Bond Strength:  |                                   | NPD  |   | Shear Bond strength:   | Moisture Movement: | Nominal 0.50 mm/m   |
| Reaction to fire:  |                                   | Euroclass A1   |   | Flexural Bond Strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup><br>NPD   |
| Water Absorption:  |                                   | NPD  |   | Reaction to fire:  |                    | Euroclass A1  |
| Water vapour diffusion coe   | Fixed Value:                      | 5/10   |   | Water absorption:  |                    | NPD   |
| Direct airborne sound insu   | llation:                          |  |   | Water vapour diffusion coef  | fficient:          |   |
|  | Gross density:                    | 730 kg/m <sup>3</sup>  |   | Direct airborne sound insul  | Fixed Value:       | 5/10  |
|  | Configuration:                    | As Above   |   | Direct airporne sound insul  | Gross density:     | 730 kg/m <sup>3</sup>   |
| Thermal conductivity:  |                                   | $0.16 \text{ W/m.K} [\lambda_{10,dry \text{ unit}}, S2]$       |   | Thermal conductivity:  | Configuration:     | As above<br>0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]                   |
| Durability against freeze-thaw: NPD  |                                   |  |   | Durability against freeze-tha  | aw:                |   |
| Dangerous Substances:  |                                   | See Note   |   | Dangerous Substances:  |                    | NPD<br>See Note   |
| Note: Information on Dang<br>appropriate form. See Ann   |                                   | vill only be given when and where required in the 1-4:2011.    | ] | U U  |                    | only be given when and where required in the                            |

See Also Declaration of Performance DOP/HANUK/TH/6300049

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

al la lathlering Full name: Carl Cuthbert

Position: Quality Manager

|  | 5 Grange Park<br>Northamp   | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA                 | Declaration of Performance<br>DOP/HANUK/TH/6300056<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |                       |   |  |
|--|-----------------------------|--|--|-----------------------|---|--|
|  | Hi Strength                 | 7 Coursing Unit<br>12  |  |                       | 7 Coursing Unit<br>12                                 |  |
| Category II, 215 x 150 x 65 mm autoclaved aerated concrete masonry units |                             |  | Conforms   | to the Harmonised Eur | opean Standard: BS EN 771-4:2011                      |  |
| Dimensions: 215 (mm) x 1   | 50 (mm) x 65 (mm)           | -  | Category II, 2   | 215 x 150 x 65 mm,aut | oclaved aerated concrete masonry units                |  |
| Dimensional tolerances:  | category:                   | GPLM (unless stated otherwise on the delivery ticket)                    | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011   |                       |   |  |
| Configuration:   |                             | Solid  | Dimensional tolerances:  | category;             | GPLM (unless stated otherwise on the delivery ticket) |  |
| Compressive strength:  |                             | Mean 7.30 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category:             | Solid   |  |
| Dimension Stability:   | Moisture Movement:          | Nominal 0.50 mm/m  | Compressive strength:  |                       | Mean 7.30 N/mm² [⊥ bed face, whole unit]. [Cat II]    |  |
| onear bonu otrengtil.  | Fixed value:                | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   | Moisture Movement:    | Nominal 0.50 mm/m                                     |  |
| Flexural Bond Strength:  |                             | NPD  | Shear Bond strength:   |                       |   |  |
| Reaction to fire:  |                             | Euroclass A1   | Flexural Bond Strength:  | Fixed value:          | 0.15 N/mm <sup>2</sup><br>NPD                         |  |
| Water Absorption:  |                             | NPD  | Reaction to fire:  |                       |   |  |
| Water vapour diffusion co  | efficient :<br>Fixed Value: | 5/10   | Water absorption:  |                       | Euroclass A1  |  |
| Direct airborne sound ins  |                             |  | Water vapour diffusion coe   | fficient              | NPD   |  |
|  | Gross density:              | 730 kg/m <sup>3</sup>  |  | Fixed Value:          | 5/10  |  |
|  | Configuration:              | As Above   | Direct airborne sound insul  | Gross density:        | 730 kg/m <sup>3</sup>                                 |  |
| Thermal conductivity:  |                             | $0.16 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit, }} S2\right]$     | Thermal conductivity:  | Configuration:        | As above  |  |
| Durability against freeze-thaw: NPD                                      |                             |  | Durability against freeze-th   | aw:                   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]            |  |
| Dangerous Substances:  |                             | See Note   | Dangerous Substances:  |                       | NPD<br>See Note                                       |  |
| Note: Information on Dang<br>appropriate form. See Anr                   |                             | vill only be given when and where required in the 1-4:2011.              | 0  |                       | only be given when and where required in the          |  |

See Also Declaration of Performance DOP/HANUK/TH/6300056

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars. Full name: Carl Cuthbert

Signed on behalf of the manufacturer:

al la lathlering

Position: Quality Manager

|   | 5 Grange Park<br>Northamp<br>BS EN | ng Products Limited<br>Court, Roman Way<br>oton, NN4 5EA<br>771-4:2011                              |  | Declaration of Performance<br>DOP/HANUK/TH/6301114<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that:                            |                                  |  |  |
|---|------------------------------------|---|--|---|----------------------------------|--|--|
|   | ni Suengui i                       | 7 Coursing Block<br>12  |  |   |                                  | Coursing Block<br>12   |  |
| Category II, 4<br>Dimensions: 440 (mm) x 1<br>Dimensional tolerances: |                                    | toclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) |  | Conforms to the Harmonised European Standard: <b>BS EN 771-4:2011</b><br>Category II, 440 x 100 x 65 mm, autoclaved aerated concrete masonry units<br>Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4 |                                  |  |  |
| Configuration:  |                                    | Solid   |  | Dimensional tolerances:   |                                  | gulation (EU): 305/2011  |  |
| Compressive strength:   |                                    | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]                              |  | Configuration:  | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
|   | Moisture Movement:                 | Nominal 0.50 mm/m   |  | Compressive strength:   |                                  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:  | Fixed value:                       | 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:  | Moisture Movement:               | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:   |                                    | NPD   |  | Shear Bond strength:  |                                  | 0.15 N/mm <sup>2</sup>   |  |
| Reaction to fire:   |                                    | Euroclass A1  |  | Flexural Bond Strength:   | Fixed value:                     | 0. IS N/MM<br>NPD  |  |
| Water Absorption:   | o officient .                      | NPD   |  | Reaction to fire:   |                                  | Euroclass A1   |  |
| Water vapour diffusion co   | Fixed Value:                       | 5/10  |  | Water absorption:   |                                  | NPD  |  |
| Direct airborne sound ins   | sulation:                          |   |  | Water vapour diffusion coe  |                                  |  |  |
|   | Gross density:                     | 730 kg/m <sup>3</sup>   |  | Direct airborne sound insul   | Fixed Value:<br>lation:          | 5/10   |  |
|   | Configuration:                     | As Above  |  |   | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above                              |  |
| Thermal conductivity:   |                                    | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]  |  | Thermal conductivity:   |                                  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Durability against freeze-  | thaw:                              | NPD   |  | Durability against freeze-the   | aw:                              | NPD  |  |
| Dangerous Substances:   |                                    | See Note  |  | Dangerous Substances:   |                                  | See Note   |  |
| Note: Information on Dan appropriate form. See An                     |                                    | vill only be given when and where required in the 1-4:2011.   |  | Note: Information on Dange<br>appropriate form. See Anne  |                                  | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6301114

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering Full name: Carl Cuthbert

Position: Quality Manager

| 5 Grange Par<br>Northam  | ing Products Limited<br>k Court, Roman Way<br>pton, NN4 5EA  |                       | Declaration of Performance<br>DOP/HANUK/TH/6301121<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that:   |   |  |
|--|--|-----------------------|--|---|--|
| Hi Strength  | Hi Strength 7 Coursing Block<br>12   |                       |  |   | Coursing Block<br>12   |
| Category II, 440 x 115 x 65 mm an<br>Dimensions: 440 (mm) x 115 (mm) x 65 (mm)<br>Dimensional tolerances:<br>category: | utoclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) |                       | Conforms to the Harmonised European Standard: <b>BS EN 771-4:2011</b><br>Category II, 440 x 115 x 65 mm, autoclaved aerated concrete masonry units<br>Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |   |  |
| Configuration:<br>Compressive strength:  | Solid<br>Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]                              |                       | Dimensional tolerances:<br>Configuration:  | category:   | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture Movement:<br>Shear Bond Strength:<br>Fixed value:                                     | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup>  |                       | Compressive strength:<br>Dimensional stability:  |   | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |
| Flexural Bond Strength:<br>Reaction to fire:   | NPD<br>Euroclass A1  |                       | Shear Bond strength:<br>Flexural Bond Strength:  | Moisture Movement:<br>Fixed value:  | Nominal 0.50 mm/m<br>0.15 N/mm <sup>2</sup><br>NPD             |
| Water Absorption:<br>Water vapour diffusion coefficient :<br>Fixed Value:  | NPD<br>5/10  |                       | Reaction to fire:<br>Water absorption:   |   | Euroclass A1   |
| Direct airborne sound insulation:<br>Gross density:<br>Configuration:  | ·  |                       | Water vapour diffusion coeff<br>Direct airborne sound insula   | Fixed Value:  | 5/10<br>730 ka/m <sup>3</sup>                                  |
| Thermal conductivity:<br>Durability against freeze-thaw:   | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]<br>NPD  |                       | Thermal conductivity:<br>Durability against freeze-tha   | Configuration:  | As above<br>0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]          |
| Dangerous Substances:<br>Note: Information on Dangerous substances<br>appropriate form. See Annex ZA3 of BS EN 7       |  | Dangerous Substances: | ous substances will  | NPD<br>See Note<br>only be given when and where required in the<br>:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6301121

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011<br>Hi Strength 7 Coursing Block |                    |   |  | Declaration of Performance<br>DOP/HANUK/TH/6301138<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that:   |                                  |  |  |
|--|--------------------|---|--|--|----------------------------------|--|--|
|  | niouengui          | 12  |  |  | Hi Strength 7                    | Coursing Block<br>12   |  |
| Category II,<br>Dimensions: 440 (mm) x 1<br>Dimensional tolerances:  |                    | toclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) |  | Conforms to the Harmonised European Standard: <b>BS EN 771-4:2011</b><br>Category II, 440 x 140 x 65 mm, autoclaved aerated concrete masonry units<br>Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |  |
| Configuration:   |                    | Solid   |  | Dimensional tolerances:  |                                  |  |  |
| Compressive strength:  |                    | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]                              |  | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
|  | Moisture Movement: | Nominal 0.50 mm/m   |  | Compressive strength:  |                                  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II] |  |
| Shear Bond Strength:   | Fixed value:       | 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   | Moisture Movement:               | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:  |                    | NPD   |  | Shear Bond strength:   |                                  | 0.15 N/mm <sup>2</sup>   |  |
| Reaction to fire:  |                    | Euroclass A1  |  | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>-</sup><br>NPD                                  |  |
| Water Absorption:  | o officient .      | NPD   |  | Reaction to fire:  |                                  | Euroclass A1   |  |
| Water vapour diffusion co  | Fixed Value:       | 5/10  |  | Water absorption:  |                                  | NPD  |  |
| Direct airborne sound ins  | sulation:          |   |  | Water vapour diffusion coe   |                                  |  |  |
|  | Gross density:     | 730 kg/m <sup>3</sup>   |  | Direct airborne sound insul  | Fixed Value:<br>ation:           | 5/10   |  |
|  | Configuration:     | As Above  |  |  | Gross density:<br>Configuration: | 730 kg/m <sup>3</sup><br>As above                              |  |
| Thermal conductivity:  |                    | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]  |  | Thermal conductivity:  |                                  | 0.16 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |  |
| Durability against freeze-   | thaw:              | NPD   |  | Durability against freeze-the  | aw:                              | NPD  |  |
| Dangerous Substances:  |                    | See Note  |  | Dangerous Substances:  |                                  | See Note   |  |
| Note: Information on Dan appropriate form. See An  |                    | vill only be given when and where required in the 1-4:2011.   |  | Note: Information on Dange<br>appropriate form. See Anne   |                                  | only be given when and where required in the<br>I:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6301138

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>BS EN 771-4:2011 |                              |   |  | Declaration of Performance<br>DOP/HANUK/TH/6301626<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that:<br>Hi Strength 7 Coursing Block |  |  |  |
|--|------------------------------|---|--|--|--|--|--|
|  | ni strength                  | 7 Coursing Block<br>12  |  |  |  | Coursing Block<br>12   |  |
| Category II, 4<br>Dimensions: 440 (mm) x 1<br>Dimensional tolerances:  |                              | toclaved aerated concrete masonry units<br>GPLM (unless stated otherwise on the delivery<br>ticket) |  | Category II, 4   | 40 x 150 x 65 mm, aut<br>product conforms: Sta | opean Standard: <b>BS EN 771-4:2011</b><br>toclaved aerated concrete masonry units<br>ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |  |
| Configuration:   |                              | Solid   |  | Dimensional tolerances:  |  | GPLM (unless stated otherwise on the delivery ticket)  |  |
| Compressive strength:  |                              | Mean 7.30 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II]                              |  | Configuration:   | category:                                      | Solid  |  |
|  | Moisture Movement:           | Nominal 0.50 mm/m   |  | Compressive strength:  |  | Mean 7.30 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]   |  |
| Shear Bond Strength:   | Fixed value:                 | 0.15 N/mm <sup>2</sup>  |  | Dimensional stability:   | Moisture Movement:                             | Nominal 0.50 mm/m  |  |
| Flexural Bond Strength:  |                              | NPD   |  | Shear Bond strength:   |  |  |  |
| Reaction to fire:  |                              | Euroclass A1  |  | Flexural Bond Strength:  | Fixed value:                                   | 0.15 N/mm <sup>2</sup><br>NPD  |  |
| Water Absorption:  |                              | NPD   |  | Reaction to fire:  |  | Euroclass A1   |  |
| Water vapour diffusion co  | oefficient :<br>Fixed Value: | 5/10  |  | Water absorption:  |  | NPD  |  |
| Direct airborne sound ins  | sulation:                    |   |  | Water vapour diffusion coe   | fficient:                                      |  |  |
|  | Gross density:               | 730 kg/m <sup>3</sup>   |  | Direct airborne sound insul  | Fixed Value:<br>lation:                        | 5/10   |  |
|  | Configuration:               | As Above  |  |  | Gross density:<br>Configuration:               | 730 kg/m <sup>3</sup><br>As above  |  |
| Thermal conductivity:  |                              | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]   |  | Thermal conductivity:  | Comparation.                                   | 0.16 W/m.K [λ <sub>10,dry unit,</sub> S2]  |  |
| Durability against freeze-   | thaw:                        | NPD   |  | Durability against freeze-th   | aw:  | NPD  |  |
| Dangerous Substances:  |                              | See Note  |  | Dangerous Substances:  |  | See Note   |  |
| Note: Information on Dangerous substances will only be given when and where required in the                      |                              |   |  | Note: Information on Dange<br>appropriate form. See Anne   |  | only be given when and where required in the<br>22011.   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301626

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

alla lathering

Full name: Carl Cuthbert

Position: Quality Manager

| CE   |         |  |  | DOP/HANU            | DF Performance<br>JK/TH/6300087<br>presenting the following:         |  |
|--|---------|--|--|---------------------|--|--|
| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |         |  | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                     |  |  |
|  | BS EI   | N 771-4:2011   |  | Confi               | irms that:   |  |
|  | Cou     | rrsing Unit<br>12  |  | Cours               | sing Unit<br>12  |  |
| Category II. 215 x 100 x 65  | mm a    | utoclaved aerated concrete masonry units                             | Conforms to the  | e Harmonised Eur    | ropean Standard: BS EN 771-4:2011                                    |  |
| Dimensions: 215 (mm) x 100 (mm) x 65   |         | ····· , · · · · · · · · · · · · · · · ·                              | Category II, 215 x 1   | 100 x 65 mm, au     | toclaved aerated concrete masonry units                              |  |
| Dimensional tolerances:  | egory:  | GPLM (unless stated otherwise on the delivery ticket)                | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                     |  |  |
| Configuration:   |         | Solid  | Dimensional tolerances:  | ootogonu            | CDIM (upless stated atherwise on the delivery ticket)                |  |
| Compressive strength:  |         | Mean 2.9 N/mm <sup>2</sup> [ $\perp$ bed face, whole unit]. [Cat II] | Configuration:   | category:           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid       |  |
| Dimension Stability:<br>Moisture Move  | ment:   | Nominal 0.50 mm/m  | Compressive strength:  |                     | Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]        |  |
| Shear Bond Strength:<br>Fixed  | /alue:  | 0.15 N/mm <sup>2</sup>   | Dimensional stability:   |                     |  |  |
| Flexural Bond Strength:  |         | NPD  | Moise<br>Shear Bond strength:  | ture Movement:      | Nominal 0.50 mm/m  |  |
| Reaction to fire:  |         | Euroclass A1   | Flexural Bond Strength:  | Fixed value:        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:  |         | NPD  | Reaction to fire:  |                     | NPD  |  |
| Water vapour diffusion coefficient :   | (       | 5/40   |  |                     | Euroclass A1   |  |
| Fixed Direct airborne sound insulation:  | aiue:   | 5/10   | Water absorption:  |                     | NPD  |  |
| Gross d  | ensitv: | 600 kg/m <sup>3</sup>  | Water vapour diffusion coefficier  | nt:<br>Fixed Value: | 5/10   |  |
|  | ,       | As Above   | Direct airborne sound insulation   | :<br>Gross density: | 600 kg/m <sup>3</sup>  |  |
| Thermal conductivity:  |         | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                            | Thermal conductivity:  | Configuration:      | As above   |  |
| Durability against freeze-thaw:  |         | NPD  | -  |                     | $0.13 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit, }} S2\right]$ |  |
| Dangerous Substances:  |         | See Note   | Durability against freeze-thaw:  |                     | NPD  |  |
|  |         | 10   | Dangerous Substances:<br>Note: Information on Dangerous  | substances will     | See Note only be given when and where required in the                |  |
| Note: Information on Dangerous subst<br>appropriate form. See Annex ZA3 of B                 |         | will only be given when and where required in the 71-4:2011.         | appropriate form. See Annex ZAS  | 3 of BS EN 771-4    | 4:2011.  |  |

See Also Declaration of Performance DOP/HANUK/TH/6300087

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| CE  |               |   | Dec  |                                  | of Performance<br>JK/TH/6300100                                |
|---|---------------|---|--|----------------------------------|--|
|   |               |   | The  | e undersigned, re                | presenting the following:                                      |
|   | 5 Grange Park | ng Products Limited<br>: Court, Roman Way<br>oton, NN4 5EA                              | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                  |  |
|   | BS EN         | 771-4:2011  |  | Conf                             | irms that:   |
|   | Cou           | rsing Unit<br>12  |  | Cour                             | sing Unit<br>12  |
| Category II 215 x 11  | 15 x 65 mm au | toclaved aerated concrete masonry units   | Conforms to the  | Harmonised Eur                   | opean Standard: BS EN 771-4:2011                               |
| Dimensions: 215 (mm) x 115 (mm)                                   |               |   | Category II, 215 x 1   | 115 x 65 mm, au                  | toclaved aerated concrete masonry units                        |
| Dimensional tolerances:   | category:     | GPLM (unless stated otherwise on the delivery ticket)                                   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                  |  |
| Configuration:  |               | Solid   | Dimensional tolerances:  |                                  |  |
| Compressive strength:   |               | Mean 2.9 $\textrm{N/mm}^{\textrm{2}}$ [ $_{\textrm{L}}$ bed face, whole unit]. [Cat II] | Configuration:   | category:                        | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |
| Dimension Stability:<br>Moisture                                  | e Movement:   | Nominal 0.50 mm/m   | Compressive strength:  |                                  | Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |
| Shear Bond Strength:  | Fixed value:  | 0.15 N/mm <sup>2</sup>  | Dimensional stability:   |                                  |  |
| Flexural Bond Strength:   |               | NPD   |  | ture Movement:                   | Nominal 0.50 mm/m  |
| Reaction to fire:   |               | Euroclass A1  | Flexural Bond Strength:  | Fixed value:                     | 0.15 N/mm <sup>2</sup>   |
| Water Absorption:   |               | NPD   | -  |                                  | NPD  |
| Water vapour diffusion coefficien                                 | nt :          |   | Reaction to fire:  |                                  | Euroclass A1   |
|   | Fixed Value:  | 5/10  | Water absorption:  |                                  | NPD  |
| Direct airborne sound insulation:                                 |               | 200 L / 3   | Water vapour diffusion coefficier  |                                  | 5/40   |
|   | ross density: | 600 kg/m <sup>3</sup>   | Direct airborne sound insulation:  |                                  | 5/10   |
|   | onfiguration: | As Above  |  | Gross density:<br>Configuration: | 600 kg/m³<br>As above  |
| Thermal conductivity:   |               | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]  | Thermal conductivity:  | <u>.</u>                         | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                     |
| Durability against freeze-thaw:                                   |               | NPD   | Durability against freeze-thaw:  |                                  | NPD  |
| Dangerous Substances:   |               | See Note  | Dangerous Substances:  |                                  | See Note   |
| Note: Information on Dangerous<br>appropriate form. See Annex ZA3 |               | vill only be given when and where required in the 1-4:2011.                             |  |                                  | only be given when and where required in the<br>b:2011.        |

See Also Declaration of Performance DOP/HANUK/TH/6300100

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

ticket)

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA   | Declaration of Performance<br>DOP/HANUK/TH/6300117<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                           |  |
|--|--|---------------------------|--|
| BS EN 771-4:2011   |  | Conf                      | irms that:   |
| Coursing Unit<br>12  |  | Cour                      | sing Unit<br>12  |
| Category II, 215 x 125 x 65 mm autoclaved aerated concrete masonry units   | Conforms   | to the Harmonised Eur     | ropean Standard: BS EN 771-4:2011  |
| Dimensions: 215 (mm) x 125 (mm) x 65 (mm)  | Category II, 2   | 215 x 125 x 65 mm, au     | toclaved aerated concrete masonry units                                  |
| Dimensional tolerances: GPLM (unless stated otherwise on the delivery category: ticket)  | Provision to which the p   |                           | ndard: Annex ZA of BS EN 771-4:2011, System 4<br>gulation (EU): 305/2011 |
| Configuration: Solid   | Dimensional tolerances:  | ootogony                  | CDI M (unless stated athenuise on the delivery tick)                     |
| Compressive strength: Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  | Configuration:   | category:                 | GPLM (unless stated otherwise on the delivery ticke<br>Solid             |
| Dimension Stability:<br>Moisture Movement: Nominal 0.50 mm/m   | Compressive strength:  |                           | Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]            |
| Shear Bond Strength:<br>Fixed value: 0.15 N/mm <sup>2</sup>  | Dimensional stability:   |                           |  |
| Flexural Bond Strength: NPD  | Shear Bond strength:   | Moisture Movement:        | Nominal 0.50 mm/m  |
| Reaction to fire: Euroclass A1   | Flexural Bond Strength:  | Fixed value:              | 0.15 N/mm <sup>2</sup>   |
| Water Absorption: NPD  | Reaction to fire:  |                           | NPD  |
| Water vapour diffusion coefficient :<br>Fixed Value: 5/10  |  |                           | Euroclass A1   |
| Direct airborne sound insulation:  | Water absorption:  |                           | NPD  |
| Gross density: 600 kg/m <sup>3</sup>   | Water vapour diffusion coe   | fficient:<br>Fixed Value: | 5/10   |
| Configuration: As Above  | Direct airborne sound insul  | lation:<br>Gross density: | 600 kg/m <sup>3</sup>  |
| Thermal conductivity:         0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]   | Thermal conductivity:  | Configuration:            | As above   |
| Durability against freeze-thaw: NPD  |  |                           | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                                |
| Dangerous Substances: See Note   | Durability against freeze-the  | aw:                       | NPD  |
|  | Dangerous Substances:<br>Note: Information on Dange  | erous substances will     | See Note<br>only be given when and where required in the                 |
| Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. | appropriate form. See Anne   | ex ZA3 of BS EN 771-4     | 4:2011.  |

See Also Declaration of Performance DOP/HANUK/TH/6300117

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering Full name: Carl Cuthbert

Position: Quality Manager

| CE  |                |   |     |  | DOP/HANU                            | DF Performance<br>JK/TH/6300131<br>presenting the following:   |  |
|---|----------------|---|-----|--|-------------------------------------|--|--|
|   | 5 Grange Park  | ng Products Limited<br>: Court, Roman Way<br>oton, NN4 5EA            |     | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |                                     |  |  |
|   | BS EN          | 771-4:2011  |     |  | Confi                               | irms that:   |  |
|   | Cou            | rsing Unit<br>12  |     |  | Cour                                | sing Unit<br>12  |  |
| Category II. 215 x 14   | 40 x 65 mm au  | toclaved aerated concrete masonry units                               |     | Conforms to the  | e Harmonised Eur                    | ropean Standard: BS EN 771-4:2011                              |  |
| Dimensions: 215 (mm) x 140 (mm                                |                |   |     | Category II, 215 x   | 140 x 65 mm, au                     | toclaved aerated concrete masonry units                        |  |
| Dimensional tolerances:                                       | category:      | GPLM (unless stated otherwise on the delivery ticket)                 |     | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |                                     |  |  |
| Configuration:  |                | Solid   |     | Dimensional tolerances:  | ootooon "                           | CDIM (upless stated atherwise on the delivery ticket)          |  |
| Compressive strength:   |                | Mean 2.9 $\text{N/mm}^2$ [ $_{\perp}$ bed face, whole unit]. [Cat II] |     | Configuration:   | category:                           | GPLM (unless stated otherwise on the delivery ticket)<br>Solid |  |
|   | e Movement:    | Nominal 0.50 mm/m   |     | Compressive strength:  |                                     | Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]  |  |
| Shear Bond Strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>  |     | Dimensional stability:   |                                     |  |  |
| Flexural Bond Strength:                                       |                | NPD   |     | Mois<br>Shear Bond strength:   | sture Movement:                     | Nominal 0.50 mm/m  |  |
| Reaction to fire:   |                | Euroclass A1  |     | Flexural Bond Strength:  | Fixed value:                        | 0.15 N/mm <sup>2</sup>   |  |
| Water Absorption:   |                | NPD   |     | Reaction to fire:  |                                     | NPD  |  |
| Water vapour diffusion coefficien                             |                | 5/40  |     |  |                                     | Euroclass A1   |  |
| Direct airborne sound insulation                              | Fixed Value:   | 5/10  |     | Water absorption:  |                                     | NPD  |  |
|   | Fross density: | 600 kg/m <sup>3</sup>   |     | Water vapour diffusion coefficie   | nt:<br>Fixed Value:                 | 5/10   |  |
|   | Configuration: | Ū į   |     | Direct airborne sound insulation   |                                     | 600 ka/m <sup>3</sup>  |  |
| Thermal conductivity:   | <u>j</u>       | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                            |     | The sum of a surplus of the term   | Configuration:                      | As above   |  |
| Durability against freeze-thaw:                               |                | NPD   |     | Thermal conductivity:  |                                     | 0.13 W/m.K [λ <sub>10,dry unit,</sub> S2]                      |  |
| Dangerous Substances:   |                | See Note  |     | Durability against freeze-thaw:  |                                     | NPD  |  |
|   |                |   |     | Dangerous Substances:  |                                     | See Note   |  |
| Note: Information on Dangerous appropriate form. See Annex ZA |                | vill only be given when and where required in the 1-4:2011.           | J I | Note: Information on Dangerous<br>appropriate form. See Annex ZA   | substances will<br>3 of BS EN 771-4 | only be given when and where required in the<br>4:2011.        |  |

See Also Declaration of Performance DOP/HANUK/TH/6300131

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| CE  |                         |   |  | DOP/HANU                               | of Performance<br>JK/TH/6300148<br>presenting the following:        |  |
|---|-------------------------|---|--|--|---|--|
|   | 5 Grange Park           | ng Products Limited<br>: Court, Roman Way<br>oton, NN4 5EA              | Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA                           |  |   |  |
|   | BS EN                   | 771-4:2011  |  | Confi                                  | irms that:  |  |
|   | Cou                     | rsing Unit<br>12  |  | Cour                                   | sing Unit<br>12   |  |
| Category II, 215 x  | x 150 x 65 mm au        | toclaved aerated concrete masonry units                                 | Conforms to the  | e Harmonised Eur                       | opean Standard: BS EN 771-4:2011                                    |  |
| Dimensions: 215 (mm) x 150 (r                                 |                         |   | Category II, 215 x   | 150 x 65 mm, au                        | toclaved aerated concrete masonry units                             |  |
| Dimensional tolerances:                                       | category:               | GPLM (unless stated otherwise on the delivery ticket)                   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 4<br>Regulation (EU): 305/2011 |  |   |  |
| Configuration:  |                         | Solid   | Dimensional tolerances:  | category:                              | GPLM (unless stated otherwise on the delivery ticket)               |  |
| Compressive strength:   |                         | Mean 2.9 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat II] | Configuration:   | category.                              | Solid   |  |
|   | ture Movement:          | Nominal 0.50 mm/m   | Compressive strength:  |  | Mean 2.9 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat II]       |  |
| Shear Bond Strength:  | Fixed value:            | 0.15 N/mm <sup>2</sup>  | Dimensional stability:   | atura Mayamanti                        | Nominal 0.50 mm/m   |  |
| Flexural Bond Strength:                                       |                         | NPD   | Shear Bond strength:   | sture Movement:                        | _   |  |
| Reaction to fire:   |                         | Euroclass A1  | Flexural Bond Strength:  | Fixed value:                           | 0.15 N/mm <sup>2</sup><br>NPD                                       |  |
| Water Absorption:   |                         | NPD   | Reaction to fire:  |  |   |  |
| Water vapour diffusion coeffic                                | cient :<br>Fixed Value: | 5/10  | Water absorption:  |  | Euroclass A1  |  |
| Direct airborne sound insulati                                |                         | 0,10  |  |  | NPD   |  |
|   | Gross density:          | 600 kg/m <sup>3</sup>   | Water vapour diffusion coefficie   | Fixed Value:                           | 5/10  |  |
|   | Configuration:          | As Above  | Direct airborne sound insulation   | Gross density:                         | 600 kg/m <sup>3</sup>   |  |
| Thermal conductivity:   |                         | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                              | Thermal conductivity:  | Configuration:                         | As above  |  |
| Durability against freeze-thaw                                | :                       | NPD   | Durability against freeze-thaw:  |  | 0.13 W/m.K [λ <sub>10,dry unit</sub> , S2]                          |  |
| Dangerous Substances:   |                         | See Note  | Dangerous Substances:  |  | NPD<br>See Note   |  |
| Note: Information on Dangero<br>appropriate form. See Annex 2 |                         | vill only be given when and where required in the 1-4:2011.             |  | s substances will<br>\3 of BS EN 771-4 | See Note<br>only be given when and where required in the<br>I:2011. |  |

See Also Declaration of Performance DOP/HANUK/TH/6300148

The performance of the product identified above is in conformity with the declared values, when installed in accordance with the manufacturer's instructions and general purpose or lightweight mortars.

Signed on behalf of the manufacturer:

ale la lathering

Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Bu<br>5 Grange P<br>Northa  |  | Declaration of Performance<br>DOP/HANUK/TH/6300445<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   |                    |  |
|--|--|--|---|--------------------|--|
| BS   | EN 771-4:2011  | 1  |   | Conf               | irms that:   |
| н  | i Strength 10<br>12  |  |   | Hi Sti             | rength 10<br>12  |
| 133  | 33-CPD-00149   |  | Conforms to the   | Harmonised Eu      | ropean Standard: BS EN 771-4:2011  |
| Category I, 440 x 100 x 215 mm   | autoclaved aerated concrete masonry units                        |  | Category I, 440 x 10  | 0 x 215 mm, au     | utoclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 100 (mm) x 215 (mr<br>Dimensional tolerances:                     |  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |                    |  |
| categor  | GPLM (unless stated otherwise on the delivery<br>y: ticket)      |  | Dimensional tolerances:   | category:          | GPLM (unless stated otherwise on the delivery ticket)  |
| Configuration:   | Solid  |  | Configuration:  | category.          | Solid  |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I]     |  | Compressive strength:   |                    | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I]   |
| Moisture Movemen<br>Shear Bond Strength:   | t: Nominal 0.50 mm/m   |  | Dimensional stability:<br>Moistu  | ure Movement:      | Nominal 0.50 mm/m  |
| Fixed value  | e: 0.15 N/mm <sup>2</sup>  |  | Shear Bond strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>   |
| Flexural Bond Strength:  | NPD  |  | Flexural Bond Strength:   | Thea value.        | NPD  |
| Reaction to fire:  | Euroclass A1   |  | Reaction to fire:   |                    | Euroclass A1   |
| Water Absorption:  | NPD  |  | Water absorption:   |                    | NPD  |
| Water vapour diffusion coefficient :<br>Fixed Value<br>Direct airborne sound insulation: | e: 5/10  |  | Water vapour diffusion coefficient  | t:<br>Fixed Value: | 5/10   |
| Gross densit   | y: 770 kg/m <sup>3</sup>   |  |   | Gross density:     | 770 kg/m <sup>3</sup>  |
| Configuration  | n: As Above  |  | Thermal conductivity:   | Configuration:     | As above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> ,S2]  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]                        |  | Durability against freeze-thaw:   |                    | NPD  |
| Durability against freeze-thaw:  | NPD  |  | Dangerous Substances:   |                    | See Note   |
| Dangerous Substances:  | See Note   |  | , e   |                    | l only be given when and where required in the   |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN     | es will only be given when and where required in the 771-4:2011. | ]  | The performance of the product ide  | entified above is  | s in conformity with the declared values, when installed in<br>general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300445

Date: 05 October 2015

Full name: Carl Cuthbert

Signed on behalf of the manufacturer: Position: Quality Manager

As la lathlering

| Forterra B<br>5 Grange F<br>North   | Declaration of Performance<br>DOP/HANUK/TH/6300469<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   |                    |   |
|---|--|---|--------------------|---|
| BS  | EN 771-4:2011  |   | Conf               | irms that:  |
| ŀ   | li Strength 10<br>12   |   | Hi Sti             | rength 10<br>12   |
| 13  | 333-CPD-00149  | Conforms to the   | Harmonised Eu      | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 140 x 215 mr  | n autoclaved aerated concrete masonry units  | Category I, 440 x 14  | 0 x 215 mm, au     | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 140 (mm) x 215 (m  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |                    |   |
| Dimensional tolerances:<br>catego   | GPLM (unless stated otherwise on the delivery<br>ry: ticket)   | Dimensional tolerances:   | category:          | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:  | Solid  | Configuration:  | category.          | Solid   |
| Compressive strength:<br>Dimension Stability:   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]   | Compressive strength:   |                    | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                            |
| Moisture Moveme<br>Shear Bond Strength:   | nt: Nominal 0.50 mm/m  | Dimensional stability:<br>Moist   | ure Movement:      | Nominal 0.50 mm/m   |
| Fixed value   | e: 0.15 N/mm <sup>2</sup>  | Shear Bond strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:   | NPD  | Flexural Bond Strength:   | Tixed value.       | NPD   |
| Reaction to fire:   | Euroclass A1   | Reaction to fire:   |                    | Euroclass A1  |
| Water Absorption:   | NPD  | Water absorption:   |                    | NPD   |
| Water vapour diffusion coefficient :<br>Fixed Valu<br>Direct airborne sound insulation: | le: 5/10   | Water vapour diffusion coefficient  | t:<br>Fixed Value: | 5/10  |
| Gross densi   | ty: 770 kg/m <sup>3</sup>  |   | Gross density:     | 770 kg/m <sup>3</sup>   |
| Configuratio  | n: As Above  | Thermal conductivity:   | Configuration:     | As above<br>0.17 W/m.K [λ <sub>10.drv unit.</sub> S2]   |
| Thermal conductivity:   | $0.17 \text{ W/m.K} \left[\lambda_{10,dry \text{ unit}},S2\right]$   | Durability against freeze-thaw:   |                    | NPD   |
| Durability against freeze-thaw:   | NPD  | Dangerous Substances:   |                    | See Note  |
| Dangerous Substances:   | See Note   | ě   |                    | only be given when and where required in the  |
| Note: Information on Dangerous substanc<br>appropriate form. See Annex ZA3 of BS EN     | es will only be given when and where required in the 771-4:2011.   | The performance of the product ide  | entified above is  | in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300469

Date: 05 October 2015

Full name: Carl Cuthbert

As la lathlering

| Forterra Bu<br>5 Grange F<br>North  |  | Declaration of Performance<br>DOP/HANUK/TH/6300476<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   |                    |   |
|---|--|--|---|--------------------|---|
| BS  | EN 771-4:2011  |  |   | Conf               | irms that:  |
| н   | i Strength 10<br>12  |  |   | Hi Sti             | rength 10<br>12   |
| 133   | 333-CPD-00149  |  | Conforms to the   | Harmonised Eu      | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 150 x 215 mn  | autoclaved aerated concrete masonry units                              |  | Category I, 440 x 15  | 0 x 215 mm, au     | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 150 (mm) x 215 (mm   |  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |                    |   |
| Dimensional tolerances:<br>categor  | GPLM (unless stated otherwise on the delivery<br>y: ticket)            |  | Dimensional tolerances:   | category:          | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:  | Solid  |  | Configuration:  | category.          | Solid   |
| Compressive strength:<br>Dimension Stability:   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] |  | Compressive strength:   |                    | Mean 9.0 N/mm² [⊥ bed face, whole unit]. [Cat I]  |
| Moisture Movemer<br>Shear Bond Strength:  | t: Nominal 0.50 mm/m   |  | Dimensional stability:<br>Moist   | ure Movement:      | Nominal 0.50 mm/m   |
| Fixed valu  | e: 0.15 N/mm <sup>2</sup>  |  | Shear Bond strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:   | NPD  |  | Flexural Bond Strength:   | Tixed value.       | NPD   |
| Reaction to fire:   | Euroclass A1   |  | Reaction to fire:   |                    | Euroclass A1  |
| Water Absorption:   | NPD  |  | Water absorption:   |                    | NPD   |
| Water vapour diffusion coefficient :<br>Fixed Valu<br>Direct airborne sound insulation: | e: 5/10  |  | Water vapour diffusion coefficient  | t:<br>Fixed Value: | 5/10  |
| Gross densit  | y: 770 kg/m <sup>3</sup>   |  |   | Gross density:     | 770 kg/m <sup>3</sup>   |
| Configuratio  | n: As Above  |  | Thermal conductivity:   | Configuration:     | As above<br>0.17 W/m.K [λ <sub>10.dry unit</sub> S2]  |
| Thermal conductivity:   | $0.17 \text{ W/m.K} [\lambda_{10,dry \text{ unit}},S2]$                |  | Durability against freeze-thaw:   |                    | NPD   |
| Durability against freeze-thaw:   | NPD  |  | Dangerous Substances:   |                    | See Note  |
| Dangerous Substances:   | See Note   |  | ě   |                    | only be given when and where required in the  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN    | es will only be given when and where required in the 771-4:2011.       | ]  | The performance of the product ide  | entified above is  | in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300476

Date: 05 October 2015

Full name: Carl Cuthbert

As la lathlering

| Forterra Bu<br>5 Grange F<br>North  |  | Declaration of Performance<br>DOP/HANUK/TH/6300483<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   |                    |  |
|---|--|--|---|--------------------|--|
| BS  | EN 771-4:2011  |  |   | Conf               | irms that:   |
| н   | li Strength 10<br>12   |  |   | Hi Sti             | rength 10<br>12  |
| 133   | 333-CPD-00149  |  | Conforms to the   | Harmonised Eu      | ropean Standard: BS EN 771-4:2011  |
| Category I, 440 x 190 x 215 mn  | n autoclaved aerated concrete masonry units                            |  | Category I, 440 x 19  | 0 x 215 mm, au     | utoclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 190 (mm) x 215 (mi<br>Dimensional tolerances:                    |  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |                    |  |
| categor   | GPLM (unless stated otherwise on the delivery<br>y: ticket)            |  | Dimensional tolerances:   | category:          | GPLM (unless stated otherwise on the delivery ticket)  |
| Configuration:  | Solid  |  | Configuration:  | category.          | Solid  |
| Compressive strength:<br>Dimension Stability:   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] |  | Compressive strength:   |                    | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I]   |
| Moisture Movemen<br>Shear Bond Strength:  | nt: Nominal 0.50 mm/m  |  | Dimensional stability:<br>Moistu  | ure Movement:      | Nominal 0.50 mm/m  |
| Fixed value   | e: 0.15 N/mm <sup>2</sup>  |  | Shear Bond strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>   |
| Flexural Bond Strength:   | NPD  |  | Flexural Bond Strength:   | Tixed value.       | NPD  |
| Reaction to fire:   | Euroclass A1   |  | Reaction to fire:   |                    | Euroclass A1   |
| Water Absorption:   | NPD  |  | Water absorption:   |                    | NPD  |
| Water vapour diffusion coefficient :<br>Fixed Valu<br>Direct airborne sound insulation: | e: 5/10  |  | Water vapour diffusion coefficient  | t:<br>Fixed Value: | 5/10   |
| Gross densit  | ty: 770 kg/m <sup>3</sup>  |  |   | Gross density:     | 770 kg/m <sup>3</sup>  |
| Configuratio  | n: As Above  |  | Thermal conductivity:   | Configuration:     | As above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> ,S2]  |
| Thermal conductivity:   | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  | Durability against freeze-thaw:   |                    | NPD  |
| Durability against freeze-thaw:   | NPD  |  | Dangerous Substances:   |                    | See Note   |
| Dangerous Substances:   | See Note   |  | , e   |                    | l only be given when and where required in the   |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN    | es will only be given when and where required in the 771-4:2011.       | ] '  | The performance of the product ide  | entified above is  | s in conformity with the declared values, when installed in<br>general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300483

Date: 05 October 2015

Full name: Carl Cuthbert

As la lathlering

| Forterra Bu<br>5 Grange F<br>North  |  | Declaration of Performance<br>DOP/HANUK/TH/6300490<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   |                    |   |
|---|--|--|---|--------------------|---|
| BS  | EN 771-4:2011  |  |   | Conf               | irms that:  |
| н   | i Strength 10<br>12  |  |   | Hi Sti             | rength 10<br>12   |
| 133   | 33-CPD-00149   |  | Conforms to the   | Harmonised Eu      | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 200 x 215 mn  | autoclaved aerated concrete masonry units                              |  | Category I, 440 x 20  | 0 x 215 mm, au     | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 200 (mm) x 215 (mi<br>Dimensional tolerances:                    |  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |                    |   |
| categor   | GPLM (unless stated otherwise on the delivery<br>y: ticket)            |  | Dimensional tolerances:   | category:          | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:  | Solid  |  | Configuration:  | category.          | Solid   |
| Compressive strength:<br>Dimension Stability:   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] |  | Compressive strength:   |                    | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                            |
| Moisture Movemer<br>Shear Bond Strength:  | t: Nominal 0.50 mm/m   |  | Dimensional stability:<br>Moistu  | ure Movement:      | Nominal 0.50 mm/m   |
| Fixed valu  | e: 0.15 N/mm <sup>2</sup>  |  | Shear Bond strength:  | Fixed value:       | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:   | NPD  |  | Flexural Bond Strength:   | Tixed value.       | NPD   |
| Reaction to fire:   | Euroclass A1   |  | Reaction to fire:   |                    | Euroclass A1  |
| Water Absorption:   | NPD  |  | Water absorption:   |                    | NPD   |
| Water vapour diffusion coefficient :<br>Fixed Valu<br>Direct airborne sound insulation: | e: 5/10  |  | Water vapour diffusion coefficient  | t:<br>Fixed Value: | 5/10  |
| Gross densit  | y: 770 kg/m <sup>3</sup>   |  |   | Gross density:     | 770 kg/m <sup>3</sup>   |
| Configuratio  | n: As Above  |  | Thermal conductivity:   | Configuration:     | As above<br>0.17 W/m.K [λ <sub>10.drv unit.</sub> S2]   |
| Thermal conductivity:   | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]                              |  | Durability against freeze-thaw:   |                    | NPD   |
| Durability against freeze-thaw:   | NPD  |  | Dangerous Substances:   |                    | See Note  |
| Dangerous Substances:   | See Note   |  | ě   |                    | only be given when and where required in the  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN    | es will only be given when and where required in the 771-4:2011.       | ] '  | The performance of the product ide  | entified above is  | in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300490

Date: 05 October 2015

Full name: Carl Cuthbert

As la lathlering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   | The   | Declaration of Performance<br>DOP/HANUK/TH/6300506<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA<br>Confirms that: |   |
|--|---|---|--|---|
|  | 3S EN 771-4:2011  |   | Conf   | irms that:  |
|  | Hi Strength 10<br>12  |   | Hi St  | rength 10<br>12   |
|  | 13333-CPD-00149   | Conforms to the   | Harmonised Eur   | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 215 x 215  | mm autoclaved aerated concrete masonry units                          | Category I, 440 x 21  | 5 x 215 mm, au   | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 215 (mm) x 215<br>Dimensional tolerances:                             |   | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011 |  |   |
|  | GPLM (unless stated otherwise on the delivery<br>gory: ticket)        | Dimensional tolerances:   | category:  | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:   | Solid   | Configuration:  | category.  | Solid   |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I]          | Compressive strength:   |  | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                            |
| Moisture Mover<br>Shear Bond Strength:   | nent: Nominal 0.50 mm/m   | Dimensional stability:<br>Moistu  | ure Movement:  | Nominal 0.50 mm/m   |
| Fixed v  | alue: 0.15 N/mm <sup>2</sup>  | Shear Bond strength:  | Fixed value:   | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  | NPD   | Flexural Bond Strength:   | Tixed value.   | NPD   |
| Reaction to fire:  | Euroclass A1  | Reaction to fire:   |  | Euroclass A1  |
| Water Absorption:  | NPD   | Water absorption:   |  | NPD   |
| Water vapour diffusion coefficient :<br>Fixed V<br>Direct airborne sound insulation:         | alue: 5/10  | Water vapour diffusion coefficient  | t:<br>Fixed Value:   | 5/10  |
|  | nsity: 770 kg/m <sup>3</sup>  | Direct airborne sound insulation:   | Gross density:   | 770 kg/m <sup>3</sup>   |
| Configura  | , ,   |   | Configuration:   | As above  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10.dry unit</sub> S2]                              | Thermal conductivity:   |  | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Durability against freeze-thaw:  | NPD   | Durability against freeze-thaw:   |  | NPD   |
| Dangerous Substances:  | See Note  | Dangerous Substances:<br>Note: Information on Dangerous s<br>appropriate form. See Annex ZA3                            |  | See Note<br>only be given when and where required in the<br>1:2011.                               |
| Note: Information on Dangerous substa<br>appropriate form. See Annex ZA3 of BS               | nces will only be given when and where required in the EN 771-4:2011. | The performance of the product ide  | entified above is  | in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300506

Date: 05 October 2015

Full name: Carl Cuthbert

Signed on behalf of the manufacturer: Position: Quality Manager

ale la lathering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA   |          |  | Declaration of Performance<br>DOP/HANUK/TH/6300513<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                   |   |
|--|----------|--|--|--|-------------------|---|
|  | BS EI    | N 771-4:2011   | 1  | Confirms that:   |                   |   |
|  | Hi S     | trength 10<br>12   |  | Hi Strength 10<br>12   |                   |   |
|  | 13333    | 3-CPD-00149  |  | Conforms to the Harmonised European Standard: BS EN 771-4:2011 |                   |   |
| Category I, 440 x 275 x 2  | 5 mm a   | utoclaved aerated concrete masonry units                               |  | Category I, 440 x 27   | 75 x 215 mm, au   | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 275 (mm) x 215 (mm)   |          |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011  |  |                   |   |
| Dimensional tolerances:  | tegory:  | GPLM (unless stated otherwise on the delivery<br>ticket)               |  | Dimensional tolerances:  |                   | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:   |          | Solid  |  | Configuration:   | category:         | Solid   |
| Compressive strength:  |          | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] |  | Compressive strength:  |                   | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I]                                      |
| Dimension Stability:<br>Moisture Mo  | ement:   | Nominal 0.50 mm/m  |  | Dimensional stability:   | ure Movement:     | Nominal 0.50 mm/m   |
| Shear Bond Strength:<br>Fixe   | l value: | 0.15 N/mm <sup>2</sup>   |  | Shear Bond strength:   | Fixed value:      | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  |          | NPD  |  | Flexural Bond Strength:  | Tixed value.      | NPD   |
| Reaction to fire:  |          | Euroclass A1   |  | Reaction to fire:  |                   | Euroclass A1  |
| Water Absorption:  |          | NPD  |  | Water absorption:  |                   | NPD   |
| Water vapour diffusion coefficient :<br>Fixed<br>Direct airborne sound insulation:   | Value:   | 5/10   |  | Water vapour diffusion coefficien                              | Fixed Value:      | 5/10  |
| Gross  | density: | 770 kg/m <sup>3</sup>  |  | Direct airborne sound insulation:                              | Gross density:    | 770 kg/m <sup>3</sup>   |
| Config   | uration: | As Above   |  | Thermal conductivity:  | Configuration:    | As above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]  |
| Thermal conductivity:  |          | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                             |  | Durability against freeze-thaw:                                |                   | NPD   |
| Durability against freeze-thaw:  |          | NPD  |  | Dangerous Substances:  |                   | See Note  |
| Dangerous Substances:  |          | See Note   |  | Note: Information on Dangerous appropriate form. See Annex ZA3 |                   | only be given when and where required in the<br>I:2011.   |
| Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. |          |  |  | The performance of the product ide                             | entified above is | in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300513

Date: 05 October 2015

Full name: Carl Cuthbert

Signed on behalf of the manufacturer: Position: Quality Manager

As la lathlering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  | Declaration of Performance<br>DOP/HANUK/TH/6300520<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                    | JK/TH/6300520<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way               |
|--|--|--|--------------------|---|
| в  | S EN 771-4:2011  | Confirms that:   |                    |   |
| Hi Strength 10<br>12   |  | Hi Strength 10<br>12   |                    |   |
| 13   | 3333-CPD-00149   | Conforms to the  | Harmonised Eur     | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 300 x 215 m  | m autoclaved aerated concrete masonry units                            | Category I, 440 x 30   | 0 x 215 mm, au     | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 300 (mm) x 215 (mm)   |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011  |                    |   |
| Dimensional tolerances:<br>catego  | GPLM (unless stated otherwise on the delivery<br>ory: ticket)          | Dimensional tolerances:  | category:          | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:   | Solid  | Configuration:   | category.          | Solid   |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] | Compressive strength:  |                    | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                              |
| Moisture Moveme<br>Shear Bond Strength:  | ent: Nominal 0.50 mm/m   | Dimensional stability:<br>Moistu   | ure Movement:      | Nominal 0.50 mm/m   |
| Fixed val  | ue: 0.15 N/mm <sup>2</sup>   | Shear Bond strength:   | Fixed value:       | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  | NPD  | Flexural Bond Strength:  | Tixed value.       | NPD   |
| Reaction to fire:  | Euroclass A1   | Reaction to fire:  |                    | Euroclass A1  |
| Water Absorption:<br>Water vapour diffusion coefficient :                                    | NPD  | Water absorption:  |                    | NPD   |
| Fixed Val  | ue: 5/10   | Water vapour diffusion coefficient   | t:<br>Fixed Value: | 5/10  |
|  | sity: 770 kg/m <sup>3</sup>  | Direct airborne sound insulation:  | Gross density:     | 770 kg/m <sup>3</sup>   |
| Configurati  | , <b>,</b>   |  | Configuration:     | As above  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                             | Thermal conductivity:  |                    | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Durability against freeze-thaw:  | NPD  | Durability against freeze-thaw:  |                    | NPD   |
| Dangerous Substances:  | See Note   | Dangerous Substances:<br>Note: Information on Dangerous s<br>appropriate form. See Annex ZA3   |                    | See Note<br>only be given when and where required in the<br>4:2011.                                 |
| Note: Information on Dangerous substand<br>appropriate form. See Annex ZA3 of BS E           | ces will only be given when and where required in the N 771-4:2011.    | The performance of the product ide   | entified above is  | s in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300520

Date: 05 October 2015

Full name: Carl Cuthbert

ale la lathering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  | Declaration of Performance<br>DOP/HANUK/TH/6300445<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |                    | JK/TH/6300445<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way               |
|--|--|--|--------------------|---|
| B  | S EN 771-4:2011  | Confirms that:   |                    |   |
| Hi Strength 10<br>12   |  | Hi Strength 10<br>12   |                    |   |
| 13   | 3333-CPD-00149   | Conforms to the  | Harmonised Eu      | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 355 x 215 m  | m autoclaved aerated concrete masonry units                            | Category I, 440 x 35   | 5 x 215 mm, au     | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 355 (mm) x 215 (mm)   |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011  |                    |   |
| Dimensional tolerances:<br>catego  | GPLM (unless stated otherwise on the delivery<br>ory: ticket)          | Dimensional tolerances:  | category:          | GPLM (unless stated otherwise on the delivery ticket)   |
| Configuration:   | Solid  | Configuration:   | category.          | Solid   |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] | Compressive strength:  |                    | Mean 9.0 N/mm² [⊥ bed face, whole unit]. [Cat I]  |
| Moisture Moveme<br>Shear Bond Strength:  | ent: Nominal 0.50 mm/m   | Dimensional stability:<br>Moistu   | ure Movement:      | Nominal 0.50 mm/m   |
| Fixed val  | ue: 0.15 N/mm <sup>2</sup>   | Shear Bond strength:   | Fixed value:       | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  | NPD  | Flexural Bond Strength:  | Tixed value.       | NPD   |
| Reaction to fire:  | Euroclass A1   | Reaction to fire:  |                    | Euroclass A1  |
| Water Absorption:<br>Water vapour diffusion coefficient :                                    | NPD  | Water absorption:  |                    | NPD   |
| Fixed Val  | ue: 5/10   | Water vapour diffusion coefficient   | t:<br>Fixed Value: | 5/10  |
|  | sity: 770 kg/m <sup>3</sup>  | Direct airborne sound insulation:  | Gross density:     | 770 kg/m <sup>3</sup>   |
| Configurati  | , ,  |  | Configuration:     | As above  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10.dry unit</sub> , S2]                             | Durability against freeze-thaw:  |                    | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Durability against freeze-thaw:  | NPD  |  |                    | NPD   |
| Dangerous Substances:  | See Note   | Dangerous Substances:<br>Note: Information on Dangerous s<br>appropriate form. See Annex ZA3   |                    | See Note<br>only be given when and where required in the<br>4:2011.                                 |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS E          | ces will only be given when and where required in the N 771-4:2011.    | The performance of the product ide   | entified above is  | s in conformity with the declared values, when installed in general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6300445

Date: 05 October 2015

Full name: Carl Cuthbert

ale la lathering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA   |   |  | Declaration of Performance<br>DOP/HANUK/TH/6301466<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   | JK/TH/6301466<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way |
|--|---|--|--|---|---|
| В  | S EN 771-4:2011   |  | Confirms that:   |   |   |
| Hi Strength 10<br>12   |   |  | Hi Strength 10<br>12   |   |   |
| 1.   | 3333-CPD-00149  |  | Conforms to the  | Harmonised Eu   | ropean Standard: BS EN 771-4:2011   |
| Category I, 440 x 275 x 140 m  | nm autoclaved aerated concrete masonry units                        |  | Category I, 440 x 27   | 5 x 140 mm, au  | toclaved aerated concrete masonry units   |
| Dimensions: 440 (mm) x 275 (mm) x 140 (mm)   |   |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011  |   |   |
| Dimensional tolerances:<br>categ   | GPLM (unless stated otherwise on the delivery<br>ory: ticket)       |  | Dimensional tolerances:  | category:   | GPLM (unless stated otherwise on the delivery ticket)                                 |
| Configuration:   | Solid   |  | Configuration:   | category.   | Solid   |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [ $\perp$ bed face, whole unit]. [Cat I] |  | Compressive strength:  |   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                |
| Moisture Movem<br>Shear Bond Strength:   | ent: Nominal 0.50 mm/m  |  | Dimensional stability:<br>Moistu   | ure Movement:   | Nominal 0.50 mm/m   |
| Fixed va   | lue: 0.15 N/mm <sup>2</sup>   |  | Shear Bond strength:   | Fixed value:  | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  | NPD   |  | Flexural Bond Strength:  | Tixed value.  | NPD   |
| Reaction to fire:  | Euroclass A1  |  | Reaction to fire:  |   | Euroclass A1  |
| Water Absorption:<br>Water vapour diffusion coefficient :  | NPD   |  | Water absorption:  |   | NPD   |
| Fixed Va<br>Direct airborne sound insulation:  | lue: 5/10   |  | Water vapour diffusion coefficient   | t:<br>Fixed Value:  | 5/10  |
|  | sity: 770 kg/m <sup>3</sup>   |  | Direct airborne sound insulation:  | Gross density:  | 770 kg/m <sup>3</sup>   |
| Configurat   |   |  |  | Configuration:  | As above  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                          |  | Durability against freeze-thaw:  |   | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]  |
| Durability against freeze-thaw:  | NPD   |  | Dangerous Substances:  |   | NPD<br>See Note   |
| Dangerous Substances:  | See Note  |  |  |   | only be given when and where required in the  |
| Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. |   |  |  | in conformity with the declared values, when installed in |   |

See Also Declaration of Performance DOP/HANUK/TH/6301466

Date: 05 October 2015

Full name: Carl Cuthbert

ale la lathering

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  | Declaration of Performance<br>DOP/HANUK/TH/6301565<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   | JK/TH/6301565<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way |  |
|--|--|--|---|---|--|
| BS   | EN 771-4:2011  | Confirms that:   |   |   |  |
| н  | li Strength 10<br>12   | Hi Strength 10<br>12   |   |   |  |
| 133  | 333-CPD-00149  | Conforms to the Harmonised European Standard: BS EN 771-4:2011   |   |   |  |
| Category I, 215 x 100 x 65 mm  | autoclaved aerated concrete masonry units                              | Category I, 215 x 10   | 00 x 65 mm, aut   | oclaved aerated concrete masonry units  |  |
| Dimensions: 215 (mm) x 100 (mm) x 65 (mm)  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System<br>Regulation (EU): 305/2011   |   |   |  |
| Dimensional tolerances:<br>categor   | GPLM (unless stated otherwise on the delivery<br>y: ticket)            | Dimensional tolerances:  | category:   | GPLM (unless stated otherwise on the delivery ticket)                                 |  |
| Configuration:   | Solid  | Configuration:   | category.   | Solid   |  |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I] | Compressive strength:  |   | Mean 9.0 N/mm <sup>2</sup> [ $\perp$ bed face, whole unit]. [Cat I]                   |  |
| Moisture Movement<br>Shear Bond Strength:  | nt: Nominal 0.50 mm/m  | Dimensional stability:<br>Moistu   | ure Movement:   | Nominal 0.50 mm/m   |  |
| Fixed valu   | e: 0.15 N/mm <sup>2</sup>  | Shear Bond strength:   | Fixed value:  | 0.15 N/mm <sup>2</sup>  |  |
| Flexural Bond Strength:  | NPD  | Flexural Bond Strength:  | Tixed value.  | NPD   |  |
| Reaction to fire:  | Euroclass A1   | Reaction to fire:  |   | Euroclass A1  |  |
| Water Absorption:<br>Water vapour diffusion coefficient :                                    | NPD  | Water absorption:  |   | NPD   |  |
| Fixed Valu<br>Direct airborne sound insulation:  | e: 5/10  | Water vapour diffusion coefficient   | t:<br>Fixed Value:  | 5/10  |  |
| Gross densi  | ty: 770 kg/m <sup>3</sup>  |  | Gross density:  | 770 kg/m <sup>3</sup>   |  |
| Configuratio   | n: As Above  | Thermal conductivity:  | Configuration:  | As above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                                |  |
| Thermal conductivity:  | 0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                             | Durability against freeze-thaw:  |   | NPD   |  |
| Durability against freeze-thaw:  | NPD  | Dangerous Substances:  |   | See Note  |  |
| Dangerous Substances: See Note   |  | e e e e e e e e e e e e e e e e e e e  |   | only be given when and where required in the  |  |
| Note: Information on Dangerous substance<br>appropriate form. See Annex ZA3 of BS EN         | The performance of the product ide                                     | entified above is  | in conformity with the declared values, when installed in general purpose or lightweight mortars. |   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301565

Signed on behalf of the manufacturer:

As la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA  |  |  | Declaration of Performance<br>DOP/HANUK/TH/6301602<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   | JK/TH/6301602<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way |  |
|---|--|--|--|---|---|--|
| BS  | EN 771-4:2011  |  | Confirms that:   |   |   |  |
| Hi Strength 10<br>12  |  |  | Hi Strength 10<br>12   |   |   |  |
| 133   | 33-CPD-00149   |  | Conforms to the Harmonised European Standard: BS EN 771-4:2011   |   |   |  |
| Category I, 215 x 140 x 65 mm   | autoclaved aerated concrete masonry units                    |  | Category I, 215 x 14   | 40 x 65 mm, au  | oclaved aerated concrete masonry units  |  |
| Dimensions: 215 (mm) x 140 (mm) x 65 (mm)<br>Dimensional tolerances: GPLM (unless stated otherwise on the delivery  |  |  | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, Sys<br>Regulation (EU): 305/2011  |   |   |  |
| category  |  |  | Dimensional tolerances:  | category:   | GPLM (unless stated otherwise on the delivery ticket)                                 |  |
| Configuration:  | Solid  |  | Configuration:   | 0,  | Solid   |  |
| Compressive strength:<br>Dimension Stability:   | Mean 9.0 N/mm <sup>2</sup> [⊥ bed face, whole unit]. [Cat I] |  | Compressive strength:  |   | Mean 9.0 N/mm <sup>2</sup> [ $\perp$ bed face, whole unit]. [Cat I]                   |  |
| Moisture Movemen<br>Shear Bond Strength:  | t: Nominal 0.50 mm/m   |  | Dimensional stability:<br>Moistu   | ure Movement:   | Nominal 0.50 mm/m   |  |
| Fixed value   | e: 0.15 N/mm <sup>2</sup>                                    |  | Shear Bond strength:   | Fixed value:  | 0.15 N/mm <sup>2</sup>  |  |
| Flexural Bond Strength:   | NPD  |  | Flexural Bond Strength:  | Tixed value.  | NPD   |  |
| Reaction to fire:   | Euroclass A1   |  | Reaction to fire:  |   | Euroclass A1  |  |
| Water Absorption:<br>Water vapour diffusion coefficient :   | NPD  |  | Water absorption:  |   | NPD   |  |
| Fixed Value<br>Direct airborne sound insulation:  | e: 5/10  |  | Water vapour diffusion coefficient   | t:<br>Fixed Value:  | 5/10  |  |
| Gross densit  | y: 770 kg/m <sup>3</sup>                                     |  |  | Gross density:  | 770 kg/m <sup>3</sup>   |  |
| Configuration   | n: As Above  |  | Thermal conductivity:  | Configuration:  | As above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> , S2]                                |  |
| Thermal conductivity:   | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]                    |  | Durability against freeze-thaw:  |   | NPD   |  |
| Durability against freeze-thaw:   | NPD  |  | Dangerous Substances:  |   | See Note  |  |
| Dangerous Substances: See Note  |  |  |  |   | only be given when and where required in the  |  |
| Note: Information on Dangerous substances will only be given when and where required in the appropriate form. See Annex ZA3 of BS EN 771-4:2011. The performance of the product identified above is in conformity with the declared values, when instances with the manufacturer's instructions and general purpose or lightweight mortars. |  |  |  | in conformity with the declared values, when installed in |   |  |

See Also Declaration of Performance DOP/HANUK/TH/6301602

Signed on behalf of the manufacturer:

As la lathlering Full name: Carl Cuthbert

Position: Quality Manager

| Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |  |                         | Declaration of Performance<br>DOP/HANUK/TH/6301619<br>The undersigned, representing the following:<br>Forterra Building Products Limited<br>5 Grange Park Court, Roman Way<br>Northampton, NN4 5EA |   | JK/TH/6301619<br>presenting the following:<br>ng Products Limited<br>Court, Roman Way                                   |
|--|--|-------------------------|--|---|---|
|  | 3S EN 771-4:2011   |                         | Confirms that:   |   |   |
|  | Hi Strength 10<br>12   |                         | Hi Strength 10<br>12   |   |   |
|  | 3333-CPD-00149   |                         | Conforms to the  | Harmonised Eu   | ropean Standard: BS EN 771-4:2011   |
| Category I, 215 x 150 x 65 n   | nm autoclaved aerated concrete masonry units   |                         | Category I, 215 x 15   | 50 x 65 mm, au  | toclaved aerated concrete masonry units   |
| Dimensions: 215 (mm) x 150 (mm) x 65 (mm)  |  |                         | Provision to which the product conforms: Standard: Annex ZA of BS EN 771-4:2011, System 2+<br>Regulation (EU): 305/2011  |   |   |
| Dimensional tolerances:  | S: GPLM (unless stated otherwise on the delivery category: ticket) Dimensional tolerances: | Dimensional tolerances: | category:  | GPLM (unless stated otherwise on the delivery ticket) |   |
| Configuration:   | Solid  |                         | Configuration:   | category.   | Solid   |
| Compressive strength:<br>Dimension Stability:  | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]                     |                         | Compressive strength:  |   | Mean 9.0 N/mm <sup>2</sup> [ $_{\perp}$ bed face, whole unit]. [Cat I]  |
| Moisture Moven<br>Shear Bond Strength:   | nent: Nominal 0.50 mm/m  |                         | Dimensional stability:<br>Moistu   | ure Movement:   | Nominal 0.50 mm/m   |
| Fixed va   | alue: 0.15 N/mm <sup>2</sup>   |                         | Shear Bond strength:   | Fixed value:  | 0.15 N/mm <sup>2</sup>  |
| Flexural Bond Strength:  | NPD  |                         | Flexural Bond Strength:  | Tixed value.  | NPD   |
| Reaction to fire:  | Euroclass A1   |                         | Reaction to fire:  |   | Euroclass A1  |
| Water Absorption:  | NPD  |                         | Water absorption:  |   | NPD   |
| Water vapour diffusion coefficient :<br>Fixed Va   | alue: 5/10   |                         | Water vapour diffusion coefficient   | t:<br>Fixed Value:                                    | 5/10  |
| Direct airborne sound insulation:  |  |                         | Direct airborne sound insulation:  | Gross density:  | 770 ka/m <sup>3</sup>   |
|  | isity: 770 kg/m <sup>3</sup>   |                         |  | Configuration:  | As above  |
| Configura<br>Thermal conductivity:   | tion: As Above<br>0.17 W/m.K [λ <sub>10,dry unit</sub> S2]                                 |                         | Thermal conductivity:  |   | 0.17 W/m.K [λ <sub>10,dry unit,</sub> S2]   |
| Durability against freeze-thaw:  | 0.17 W/III.K [A <sub>10,dry unit</sub> , S2]   |                         | Durability against freeze-thaw:  |   | NPD   |
| Dangerous Substances:  | See Note   |                         |  |   | See Note only be given when and where required in the   |
| Note: Information on Dangerous substar<br>appropriate form. See Annex ZA3 of BS              | nces will only be given when and where required in the<br>EN 771-4:2011.                   |                         |  | entified above is                                     | <b>4:2011.</b><br>s in conformity with the declared values, when installed in d general purpose or lightweight mortars. |

See Also Declaration of Performance DOP/HANUK/TH/6301619

Date: 05 October 2015

Full name: Carl Cuthbert

ale la lathering