



UK Product Handbook

Insulation for:

Walls

Floors

Roofs

Soffit



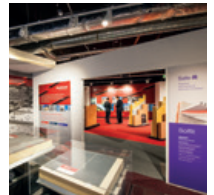
Expect
More
Choice

Xtratherm[®]
More than insulation

Expect More

For over 30 years Xtratherm has led the way in developing innovative thermal solutions, through advancement in product performance and detailing, backed by a team that understands the technical issues and site practices specific to the UK.

Ever since our launch in 1986, Xtratherm has been instrumental in developing insulation products and systems that achieve better insulated, low energy buildings. Solutions that allow traditional materials, supplied through local Builders Merchants to be used in the most energy efficient 'A' Rated buildings.



We have gained a lot of knowledge and built a suite of resources that are available to assist Builder Merchants to help their customers understand the complexities of energy efficient construction - we'd like to share that with you. As part of our ongoing commitment we have developed the Xtratherm Innovation Centre at our headquarters in Chesterfield demonstrating best practice on site and to 'Close the Gap' between design and on-site performance, with materials available in the local Builders Merchant yard.

Our Commitment

- Bespoke variable mixed loads of products, including phenolic
- Flexible delivery times
- Direct to site deliveries available
- Various transport vehicle types available
- Dedicated Sales Support
- Dedicated Merchants Technical Support
- On-site support and training for installers
- 3rd Party approved technical calculations
- Access to sales opportunities
- Training of merchant staff

Our Production Facilities

Xtratherm owns and operates two state-of-the-art production facilities in the UK and Ireland providing security of supply for a range of insulation products. We have the experience and expertise to deliver quality, whatever your market or size of project.



Xtratherm Navan, Ireland



Xtratherm Chesterfield, UK

Working towards a sustainable future

Operating within the construction industry and as a leading investor within the insulation sector, Xtratherm remains at the forefront of energy efficiency and sustainable construction.

Specifying Xtratherm is a real commitment to minimising energy consumption, harmful CO₂ emissions and their impact on the environment. Using our products is one of the most effective ways to reduce energy consumption – in fact, after just eight months the energy they save far outweighs the energy used in their production.



Products by Application

Walls

Partial Fill Cavity Walls	
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Key

■ Safe-R	■ Thin-R
■ XtroLiner	■ Thin-R Plus
■ CavityTherm	



* Xtratherm products are available with engineered jointing for improved continuity and thermal bridging detailing.

Our insulation products have been manufactured as solutions for specific building projects. Whether you are constructing a roof, installing a floor, or looking at zero carbon wall types, there is always a practical, cost effective Xtratherm solution to suit your project.

Products by Range

Xtratherm®
More than insulation



Safe-R

Superior Performance
Phenolic Insulation

SR/CW 8
Walls:
Partial Fill Cavity Wall

SR/TB 14
Walls:
Drylining Walls -
Dot & Dab

SR/TB-MF 15
Walls:
Drylining Walls -
Mechanically Fixed

SR/FB 18
Walls:
Steel & Timber Frame

SR/RS 12
Walls:
Rainscreen

SR/UF 33
Floors:
Ground Supported and
Suspended Floors

SR/PR 22
Roofs:
Pitched Roof

SR/STP 38
Soffit:
Soffit Application

SR/ST 39
Soffit:
Soffit Application



CavityTherm®

A continuous wall
insulation system

CT/PIR 13
Full Fill Built-in
Insulation system



XtroLiner

Superior Performance
PIR Insulation

XO/CW (T&G) 9
Walls:
Partial Fill Cavity Wall

XO/FB 19
Walls:
Steel and Timber Frame

XO/UF 34
Floors:
Ground Supported and
Suspended Floors

XO/PR 23
Roofs:
Pitched Roof

XO/SK (T&G) 24
Roofs:
Pitched Roof

XO/STP 40
Soffit:
Soffit Application



Thin-R

PIR Insulation

XT/CW (T&G) 10
Walls:
Partial Fill Cavity Wall

XT/TL 16
Walls:
Drylining Walls -
Dot & Dab

XT/TL-MF 17
Walls:
Drylining Walls
Mechanically Fixed

XT/TF 20
Walls:
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XT/UF 35
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Ground Supported
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XT/Walk-R 36
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Roofs:
Pitched Roof

XT/SK (T&G) 26
Roofs:
Sarking Warm Roof
Construction

FR/ALU 28
Roofs:
Mechanically Fixed Single Ply
Waterproofing Systems

FR/MG 29
Roofs:
Single Ply Fully Adhered /
Partially Bonded Built-Up
Felt Systems

FR/BGM 30
Roofs:
Partially Bonded,
Torch-on, Built-up
Bituminous Felt Systems

FR/TP 31
Roofs:
Thermal Ply High
Performance PIR and
Plywood Composite
for Flat Roofs



Thin-R^{Plus}

Enhanced
PIR Insulation

XT/CWP (T&G) 11
Walls:
Partial Fill Cavity Wall

XT/HYF (T&G) 37
Floors:
Ground Supported and
Suspended Floors



XPS

Extruded Polystyrene
Insulation

XPS/SL 41
Extruded Polystyrene
Insulation



EPS

Expanded Polystyrene
Insulation

Warm-R 42
Expanded Polystyrene
Insulation



Close-R

Insulated Cavity
Closer

Close-R 43
Insulation Accessories

Expect More Service

Xtratherm offers high performance insulation delivered to stock or site as and how you need it.

Part of your insulation team.

T. 0371 222 1033
xtratherm.com



Our Commitment

The widest range of high performance insulation from any UK manufacturer:

Mixed loads

Direct to site deliveries

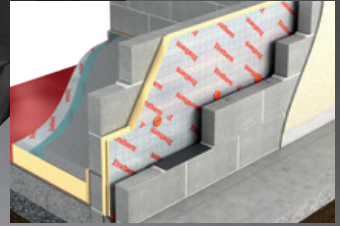
Dedicated merchants technical support

3rd party approved technical calculations

On-site support and training for installers

Xtratherm[®]
More than insulation

Walls



Partial Fill Cavity Walls

■ SR/CW Partial Fill Cavity Wall	8
■ XO/CW Partial Fill Cavity Wall	9
■ XT/CW Partial Fill Cavity Wall	10
■ XT/CWP Partial Fill Cavity Wall	11

Rainscreen

■ SR/RS Rainscreen	12
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Built-in Full Fill Walls

■ CT/PIR	13
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Drylining Walls

■ SR/ TB DryLining (Dot & Dab)	14
■ SR/ TB-MF DryLining (Mech Fixed)	15
■ XT/TL Drylining (Dot & Dab)	16
■ XT/TL-MF Drylining (Mech Fixed)	17

Framing Walls

■ SR/FB Framing Board	18
■ XO/FB Framing Board	19
■ XT/TF Timber Frame	20

Walls

SR/CW

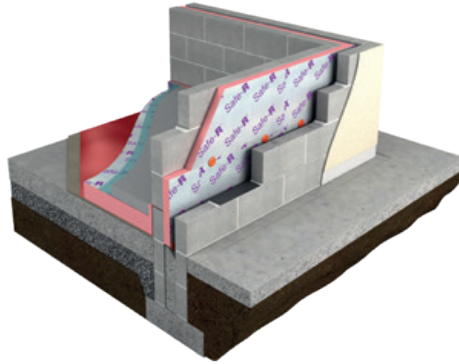
Safe-R

Superior Performance
Phenolic Insulation

SR/CW

Insulation for
Partial Fill Cavity Walls

Safe-R SR/CW Partial Fill cavity insulation for traditional masonry walls, achieves excellent U-Values whilst maintaining a residual cavity, offering protection from wind driven rain.



Key Features:

Superior Performance Phenolic Insulation

Clear Cavity Maintained

Protection from Wind Driven Rain

Lower Lambda Values for improved U-Values

Specifications

BBA Certified Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Low emissivity foil facings
Core:	Superior Performance Phenolic Insulation
Board Size:	1200mm x 450mm
Board Thickness:	50, 60, 75, 80, 100mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

XtroLiner XO/CW (T&G)

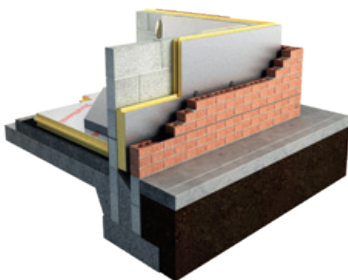
Superior Performance PIR Insulation

Insulation for
Partial Fill Cavity Walls

Walls
XO/CW (T&G)

XO/CW (T&G) is an innovative partial fill wall insulation system incorporating robust facings, engineered jointing details, performed corners and a certified lambda of 0.021 W/mK.

This lower lambda improves U-Values and meets Zero Carbon standards, proving an excellent choice for passive and low energy builds. XO/CW (T&G) can achieve a passive U-Value of 0.15 W/m²K in a traditional cavity wall. Building with XO/CW (T&G), a residual cavity is maintained, offering excellent protection against wind driven rain.



Key Features:

Engineered Jointing

Corner Panels & Cavity Closers: Reduced Thermal Bridging

Clear Cavity Maintained

Lower Lambda Value for Improved U-Values

Robust Textured Foil

Specifications

Thermal Conductivity:	0.021 W/mK
Facings:	Robust low emissivity foil facings
Core:	Superior Performance PIR Insulation
Board Size:	1200mm x 450mm
Board Thickness:	50, 60, 75, 80, 100mm
Board Profile:	Tongue & Groove
Performed Corner:	Yes

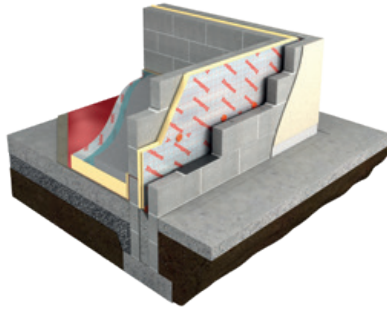
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R XT/CW (T&G)

PIR Insulation
Insulation for
Partial Fill Cavity Walls

Thin-R Partial Fill Cavity Wall XT/CW (T&G) builds to a system thanks to its engineered tongue and grooved joints and pre-formed corners, ensuring insulation continuity and minimisation of thermal bridging.

XT/CW (T&G) for use in traditional masonry walls, builds to the highest thermal standards whilst maintaining a residual cavity, offering protection from wind driven rain.



Key Features:

- Robust Tongue & Groove Jointing
- Corner Panels & Cavity Closers: Reduced Thermal Bridging
- Clear Cavity Maintained
- No Exposure Restrictions
- Low Emissivity Foil Facings

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK
Facings:	Low Emissivity Foil Facings
Core:	PIR Insulation
Board Size:	1200mm x 450mm
Board Thickness:	40, 50, 60, 70, 80, 100mm
Board Profile:	Tongue & Groove
Preformed Corner:	Yes

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R^{Plus}

Enhanced
PIR Insulation

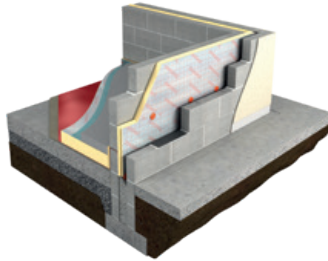
XT/CWP (T&G)

Insulation for
Partial Fill Cavity Walls

Walls XT/CWP (T&G)

Partial Fill Cavity Wall Plus XT/CWP (T&G) builds to a system thanks to its engineered tongue and grooved joints and pre-formed corners, ensuring insulation continuity and minimisation of thermal bridging.

XT/CWP (T&G) is the best solution when building traditional masonry walls to the highest thermal standards whilst maintaining a residual cavity, offering excellent protection from wind driven rain. The lower Lambda of 0.021 W/mK improves U-Values and meets Zero Carbon standards, proving an excellent choice for passive and low energy builds.



Key Features:

Improved Lambda Value of 0.021 W/mK

Robust Tongue & Groove Jointing

Corner Panels & Cavity Closers: Reduced Thermal Bridging

Clear Cavity Maintained

No Exposure Restrictions

Specifications

BBA Certified Thermal Conductivity: 0.021 W/mK

Facings: Low Emissivity Foil Facings

Core: Enhanced PIR Insulation

Board Size: 1200mm x 450mm

Board Thickness: 50, 60, 70, 75, 80, 100mm

Board Profile: Tongue & Groove

Preformed Corner: Yes

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Walls

SR/RS

Safe-R

Superior Performance
Phenolic Insulation

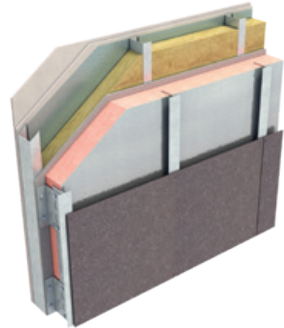
SR/RS

Insulation for
Ventilated Rainscreen Cladding

SR/RS Rainscreen Board provides ultimate thermal performances in rainscreen applications.

SR/RS has been tested to BS8414 (Parts 1 & 2) in a number of compliant system specifications. SR/RS is BBA certified and has received LABC Assured Product status. For comprehensive guidance and copies of reports contact technical support. For compliance with the latest Building Regulations and Standards in other jurisdictions, consult your system supplier and local building control authorities.

Xtratherm SR/RS is not suitable for use on high-rise buildings in England where; the building contains one or more dwellings, in an institution or a room for residential purposes (excluding any room in a hostel, hotel or boarding house), student accommodation, care homes, sheltered housing, hospitals and dormitories in boarding schools, with a storey at least 18m above ground.



Key Features:

Tested under BS8414 (Part 1 & 2) meeting criteria for BR135 (system specific)

Superior Lambda Value as low as 0.020 W/mK

Euroclass B Fire Classification

BBA Certified - Certification Number 10/4803

Specifications

BBA Certified Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Low Emissivity Foil Facings
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 60, 75, 80, 100, 110, 120mm
Board Profile:	Square Edge

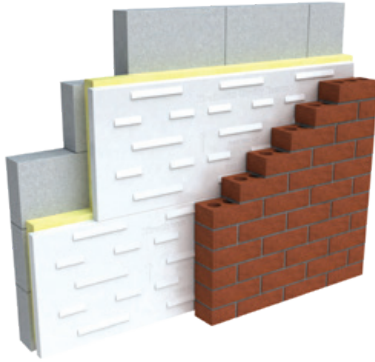
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

CavityTherm® CT/PIR

Built-in Full Fill
Wall Insulation

Walls
CT/PIR

CavityTherm is an innovative built-in insulation for traditional walls that achieves passive level U-Values as low as 0.12 W/m²K with excellent thermal bridging detailing in cavities less than 150mm wide.



Key Features:

Engineered HIPs facer provides wind driven rain protection

Moisture redirected to outer surface

Prepositioned slots for sloping wall ties - no creep

Fully engineered jointing

Full range of accessory pieces build continuous system

Excellent Thermal Bridging Values

Specifications

BBA Certified Thermal Conductivity: 0.021 W/mK

Facings: Composite Foil/Engineered Hips

Core: PIR Insulation

Board Size: 1200mm x 450mm

Board Thickness: 100, 125, 150mm

Board Profile: Rebated Edge

Preformed Corner: Yes

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

Walls

SR/TB

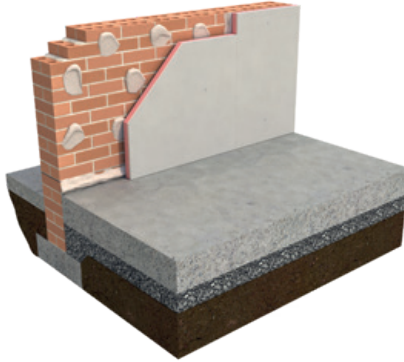
Safe-R

Superior Performance
Phenolic Insulation

SR/TB

Insulation for
Drylining Walls Fixed with Adhesive Dabs

SR/TB is a composite insulated panel of Xtratherm phenolic insulation core with a glass tissue facing bonded to 12.5mm tapered edge plasterboard for internal applications, fixed with proprietary adhesive bonding.



Key Features:

Integral vapour check

Responsive Insulation System

High levels of insulation and drylining in one fix

Suitable for Newbuild and Renovation

Specifications

Thermal Conductivity:	0.020 - 0.023 (W/mK) (Phenolic only)
Facings:	Glass Tissue/Plasterboard
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	37.5, 50.5, 62.5, 72.5, 82.5mm (Thickness includes 12.5mm plasterboard)
Board Profile:	Square Edge
Plasterboard:	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Safe-R

Superior Performance
Phenolic Insulation

SR/TB-MF

Insulation for
Drylining Walls - Mechanically Fixed

Walls SR/TB-MF

SR/TB-MF is a composite insulated panel of Xtratherm phenolic insulation core with a composite foil facing bonded to 12.5mm tapered edge plasterboard for internal walls, sloped roofs and ceilings. SR/TB-MF is only suitable for mechanically fixed applications.



Key Features:

Insulation & Drylining in one Application

Provides Continuous Vapour Control Layer

Reduced Insulation Thickness

Suitable for a Variety of Wall Types

Cost Effective Solution in Refurbishment and New Build

Specifications

Thermal Conductivity:	0.020 - 0.023 (W/mK) (Phenolic only)
Facings:	Composite Foil/Plasterboard
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	37.5, 52.5, 62.5, 72.5, 82.5mm (Thickness includes 12.5mm plasterboard)
Board Profile:	Square Edge
Plasterboard:	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Walls

XT/TL

Thin-R

XT/TL

PIR Insulation

Insulation for
Drylining Walls Fixed with Adhesive Dabs

Thin-R Thermal Liner Dot & Dab XT/TL is a composite insulated panel of Xtratherm PIR insulation core with a composite kraft facing bonded to 12.5mm tapered edge plasterboard for internal applications, fixed with proprietary adhesive bonding.



Key Features:

Insulation & Drylining in one Application

Provides Effective Vapour Control Layer

Reduced Insulation Thickness

Suitable for a Variety of Wall Types

Cost Effective Solution in Refurbishment and New Build

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK (PIR only)
Facings:	Composite Kraft/Plasterboard
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	37.5, 50.5, 62.5, 72.5mm (Thickness includes 12.5mm plasterboard)
Board Profile:	Square Edge
Plasterboard:	Tapered Edge

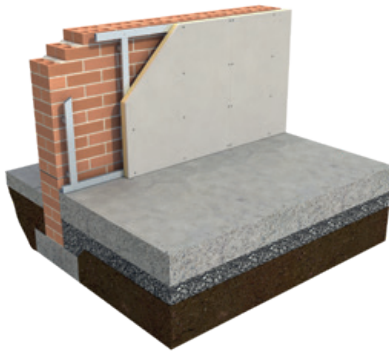
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R XT/TL-MF

PIR Insulation
Insulation for
Drylining Walls - Mechanically Fixed

Walls
XT/TL-MF

Thin-R Thermal Liner Mechanically Fixed XT/TL-MF is a composite insulated panel of Xtratherm PIR insulation core with a composite foil facing bonded to 12.5mm tapered edge plasterboard for internal walls, sloped roofs and ceilings. XT/TL-MF is only suitable for mechanically fixed applications.



Key Features:

- Insulation & Drylining in one Application
- Provides Continuous Vapour Control Layer
- Reduced Insulation Thickness
- Suitable for a Variety of Wall Types
- Cost Effective Solution in Refurbishment and New Build

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK (PIR only)
Facings:	Composite Foil/Plasterboard
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	37.5, 52.5, 62.5, 72.5, 82.5mm (Thickness includes 12.5mm plasterboard)
Board Profile:	Square Edge
Plasterboard:	Tapered Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Walls

SR/FB

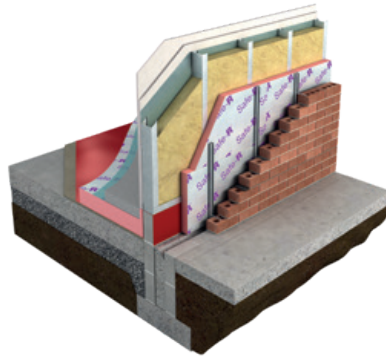
Safe-R

Superior Performance
Phenolic Insulation

SR/FB

Insulation for
Steel and Timber Frame

Safe-R Framing Board SR/FB is designed for use with steel or timber frame applications up to 18m in height. With a Euroclass B Fire Classification the framing board can be used between studs or as an insulated sheathing board. Using SR/FB provides excellent U-Values and improved thermal bridging detailing.



Key Features:

Suitable for use in Steel and Timber Frame Systems
up to 18m in height

Lower Lambda Value for Improved U-Values

Fire Classification B-s1, d0

Reduced Thermal Bridging

Superior Performance Phenolic Insulation

Specifications

BBA Certified Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Low Emissivity Foil Facings
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 60, 75, 80, 100, 120mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

XtroLiner XO/FB

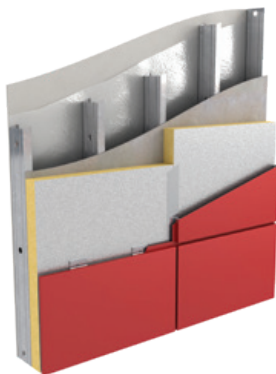
Superior Performance PIR Insulation

Insulation for
Steel and Timber Frame

XO/FB
Walls

XO/FB is designed for use in a wide range of construction including steel or timber frame applications up to 18m in height. The framing board can be used between studs or as an insulated sheathing board.

Using XO/FB in this application will reduce the thermal bridging of the steel or timber studs.



Key Features:

Suitable for use in Steel and Timber Frame Systems

Lower Lambda Value for Improved U-Values

Suitable for Newbuild and Renovation up to 18m in height

Reduced Thermal Bridging

Robust Textured Foil

Specifications

BBA Certified Thermal Conductivity: 0.021 W/mK

Facings: Robust low emissivity foil facings

Core: Superior Performance PIR Insulation

Board Size: 2400mm x 1200mm

Board Thickness: 50, 60, 75, 80, 100, 120mm

Board Profile: Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Walls

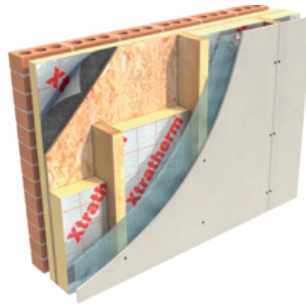
XT/TF

Thin-R XT/TF

PIR Insulation Insulation for Timber Framed Walls

Timber Frame construction is a fast, systematic method that results in high performing buildings with regard to energy efficiency and in environmental terms.

Xtratherm's Timber Frame Systems bring timber framed wall insulation performance to new levels, surpassing the default values asked for in current building regulations. Using Thin-R Timber Frame XT/TF in timber framed walls helps achieve Zero Carbon Fabric and Passive House Standards.



Key Features:

Rapid Build System

Approved for use with Fibre in stud

Suitable for Newbuild and Renovation

Reduced Insulation Thickness

Low Emissivity Foil Facings

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK
Facings:	Low Emissivity Foil Facings
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	25, 40, 50, 60, 80, 100, 120mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Pitched Roof



Pitched Roofs

■ SR/PR Pitched Roof	22
■ XO/PR Pitched Roof	23
■ XO/SK Sarking	24
■ XT/PR Pitched Roof	25
■ XT/SK Sarking	26

Roofs

SR/PR

Safe-R

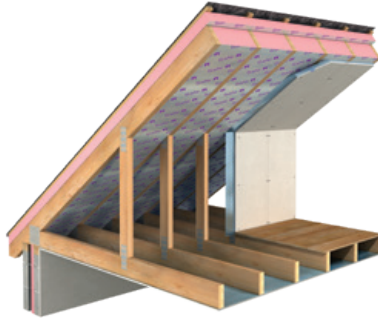
Superior Performance
Phenolic Insulation

SR/PR

Insulation for
Pitched Roofs

SR/PR on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using SR/PR will reduce heat loss while also delivering excellent thermal bridging details.



Key Features:

Avoids Intrusion into Living Area

Reduced Risk of Condensation

Superior Performance Phenolic Insulation

Lightweight and Easy to Install

Reduced Thermal Bridging

Specifications

BBA Certified Thermal Conductivity: 0.020 - 0.021 W/mK

Facings: Low Emissivity Foil Facings

Core: Superior Performance Phenolic Insulation

Board Size: 2400mm x 1200mm

Board Thickness: 50, 60, 75, 80, 100mm

Board Profile: Square Edge

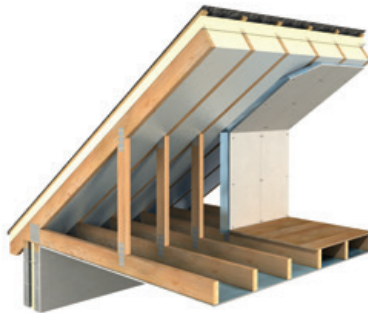
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

XtroLiner **XO/PR**
 Superior Performance PIR Insulation
 Insulation for
 Pitched Roofs

Roofs
XO/PR

XO/PR on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using XO/PR will reduce heat loss while also delivering excellent thermal bridging details.



Key Features:

Reduces Intrusion into Living Area

Reduced Risk of Condensation

Robust Foil Facings

Lightweight and Easy to Install

Reduced Thermal Bridging

Specifications

BBA Certified Thermal Conductivity:	0.021 W/mK
Facings:	Robust Low Emissivity Foil Facings
Core:	Superior Performance PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	25, 30, 40, 50, 60, 70, 75, 80, 100, 120mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Roofs

XO/SK (T&G)

XtroLiner XO/SK (T&G)

Superior Performance PIR Insulation

Insulation for Sarking
Warm Roof Construction

XO/SK is an engineered tongue and grooved external roof insulation system with robust facings which meets the passive U-Value of 0.15 W/m²K.

Using XO/SK (T&G) improves detailing, speeds up the installation process and provides a uniform plane to detail more effectively. Creating a warm roof reduces the normal amount of junctions prone to thermal bridging greatly improving the thermal performance of the roof.



Key Features:

Robust Tongue & Groove Jointing

Reduced Risk of Condensation

Avoids Intrusion into Living Area

Excellent U-Value in roofs

Reduced Thermal Bridging

Specifications

Thermal Conductivity:	0.021 W/mK
Facings:	Robust Low Emissivity Foil Facings
Core:	Superior Performance PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	75, 100, 125mm
Board Profile:	Tongue & Groove

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

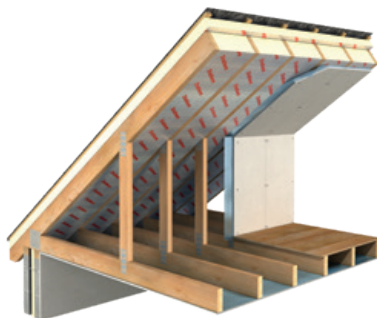
Thin-R XT/PR

PIR Insulation
Insulation for
Pitched Roofs

Roofs XT/PR

Thin-R Pitched Roof XT/PR on sloped roofs (ventilated, hybrid or warm) provides the most efficient U-Values with minimal intrusion into valuable living space.

The roof construction is a critical element in the building fabric and is an area at high risk of heat loss. Using XT/PR will reduce heat loss while also delivering excellent thermal bridging details.



Key Features:

Avoids Intrusion into Living Area

Reduced Risk of Condensation

Low Emissivity Foil Facings

Lightweight and Easy to Install

Reduced Thermal Bridging

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK
Facings:	Low Emissivity Foil Facings
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	25, 30, 40, 50, 60, 70, 75, 80, 90, 100mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Roofs

XT/SK (T&G)

Thin-R XT/SK (T&G)

PIR Insulation

Insulation for
Sarking Warm Roof Construction

Using Thin-R Sarking XT/SK (T&G) on sloped roof areas can provide the most efficient U-Values with minimal intrusion into valuable living space. Warm roof construction is a particularly effective way of insulating complex roofs.



Key Features:

Robust Tongue & Groove Jointing

Reduced Risk of Condensation

Avoids Intrusion into Living Area

Excellent U-Value in roofs

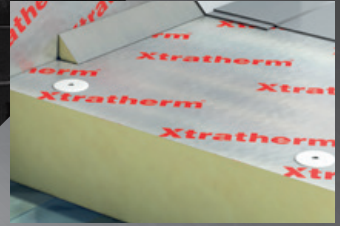
Reduced Thermal Bridging

Specifications

Thermal Conductivity:	0.022 W/mK
Facings:	Low Emissivity Foil Facings
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 75, 100, 125mm
Board Profile:	Tongue & Groove

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Flat Roof



Flat Roofs

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■ FR/MG Flat Roof	29
■ FR/BGM Flat Roof	30
■ FR/TP Thermal Ply	31

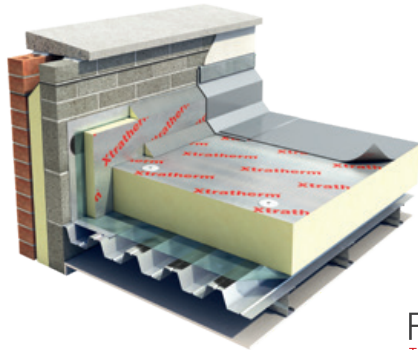
Xtratherm[®]
More than insulation

Thin-R FR/ALU

PIR Insulation

Insulation for Mechanically Fixed
Single Ply Waterproofing Systems

Xtratherm FR/ALU is a high performance Polyisocyanurate flat roof insulation with vapour-tight aluminium foil facings suitable for use with single ply membranes. FR/ALU is part of the comprehensive range of Xtratherm's high performance flat roof boards providing total solutions for flat roof projects.



FlatRoof
Total Flat Roof Solutions

Key Features:

High Thermal Performance

Compatible with mechanically fixed single ply systems. Loose laid ballasted systems

Vapour resistant foil facers

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK
Facings:	Vapour-Tight Aluminium Foil Facings
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	25, 30, 40, 50, 60, 70, 75, 80, 90, 100, 110, 120, 125, 130, 140, 150mm
Board Profile:	Square Edge

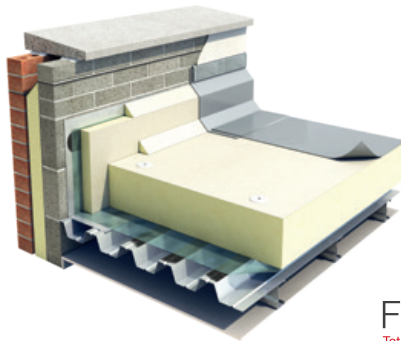
Thin-R FR/MG

PIR Insulation

Insulation for Single Ply Fully Adhered / Partially Bonded Built-Up Felt Systems

Xtratherm FR/MG is a high performance Polyisocyanurate with mineral coated glass facers suitable for use below single ply waterproofing systems and partially bonded built-up felt.

FR/MG
Roofs



FlatRoof
Total Flat Roof Solutions

Key Features:

High Thermal Performance

Compatible with adhesively bonded single ply roofing membranes laid on mechanically fixed or adhered boards

Specifications

BBA Certified Thermal Conductivity:	0.024 - 0.027 W/mK
Facings:	Mineral Glass
Core:	PIR Insulation
Board Size:	1200mm x 600mm
Board Thickness:	25, 30, 40, 50, 60, 70, 80, 100, 110, 120mm
Board Profile:	Square Edge

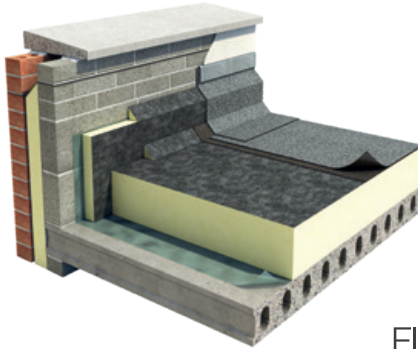
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R FR/BGM

PIR Insulation

Insulation for Partially Bonded, Torch-on, Built-up Bituminous Felt Systems

FR/BGM is faced with a polypropylene fleece finished bitumen/glass fibre working surface and a mineral glass facing to the under side. FR/BGM is part of Xtratherm's comprehensive range of high performance flat roof boards providing total solutions for flat roof projects.



FlatRoof
Total Flat Roof Solutions

Key Features:

High Thermal Performance

Compatible with most bituminous based roofing systems

Fleece Finished Bitumen/Glass Fibre Facings

Specifications

BBA Certified Thermal Conductivity: 0.024 - 0.027 W/mK

Facings: Fleece Finished Bitumen/Glass Fibre Facings

Core: PIR Insulation

Board Size: 1200mm x 600mm

Board Thickness: 25, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140mm

Board Profile: Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R

PIR Insulation

FR/TP

Thermal Ply High Performance PIR and Plywood Composite for Flat Roofs

Xtratherm FR/TP Thermal Ply is a composite insulated panel of Xtratherm Polyisocyanurate core with a composite foil facer, bonded to 6mm WBP grade plywood. FR/TP is designed to provide high levels of thermal insulation and decking in one operation for new and refurbishment flat roof applications.



FlatRoof
Total Flat Roof Solutions

Roofs

FR/TP

Key Features:

Insulation and decking in one fix

For new and refurbishment roofs

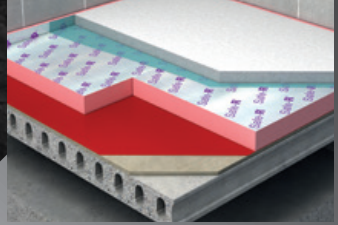
Rapid weather proofing

Specifications

Thermal Conductivity:	0.022 W/mK
Facings:	Composite Foil Facing/6mm WBP Grade Plywood
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	56, 76, 86, 96, 106, 116mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Floors



Solid & Suspended Floors

■ SR/UF Floor	33
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Soffit

■ SR/STP Soffit	38
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Xtratherm[®]
More than insulation

Safe-R

Superior Performance
Phenolic Insulation

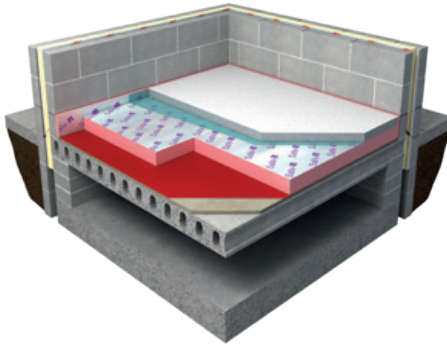
SR/UF

Insulation for
Solid and Suspended Floors

Floors SR/UF

Safe-R Under Floor SR/UF is a superior performance rigid phenolic insulation with low emissivity aluminium facings both sides and has a thermal conductivity as low as 0.020 W/mK, delivering excellent U-Values in floors.

The floor in any building is an area of considerable downward heat loss when not properly insulated. SR/UF will significantly improve the U-Value of new and existing floors.



Key Features:

Suitable for Underfloor Heating

Perimeter Strips for Robust Detailing

Reduced Insulation Thickness

Lower Lambda Values for improved U-Values

Specifications

BBA Certified Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Low emissivity foil facings
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 60, 75, 80, 100, 120mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Floors

XO/UF

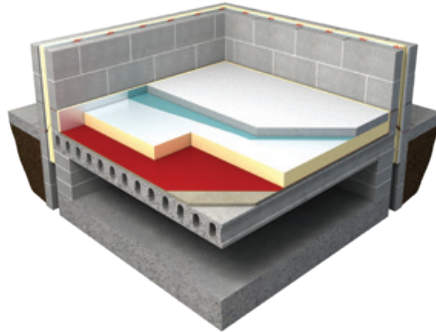
XtroLiner XO/UF

Superior Performance PIR Insulation

Insulation for
Solid and Suspended Floors

XO/UF superior performance PIR offers excellent insulation performance with a thermal conductivity of 0.021 W/mK. The floor in any building is an area of considerable downward heat loss when not properly insulated.

XO/UF will significantly improve the U-Value of new and existing floors. XO/UF is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.



Key Features:

- High Compressive Strength
- Suitable for Underfloor Heating
- Perimeter Strips for Robust Detailing
- Reduced Insulation Thickness
- Robust Textured Foil

Specifications

BBA Certified Thermal Conductivity:	0.021 W/mK
Facings:	Robust Low Emissivity Foil Facings
Core:	Superior Performance PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 60, 75, 80, 100, 120mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R

PIR Insulation

XT/UF

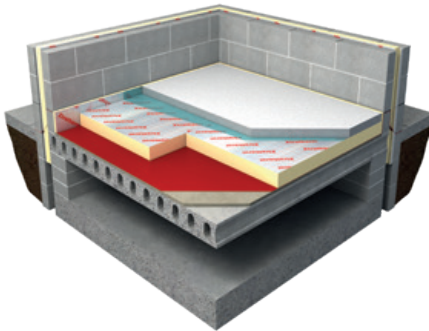
Insulation for
Ground Supported and Suspended Floors

Floors

XT/UF

The floor in any building is an area of considerable downward heat loss when not properly insulated. XT/UF will significantly improve the U-Value of new and existing floors.

Thin-R Underfloor XT/UF is lightweight, easy to install and combines high compressive strength with low thermal conductivity, providing a high performance solution for floor insulation.



Key Features:

- High Compressive Strength
- Suitable for Underfloor Heating
- Perimeter Strips for Robust Detailing
- Reduced Insulation Thickness
- Low Emissivity Foil Facings

Specifications

BBA Certified Thermal Conductivity:	0.022 W/mK
Facings:	Low emissivity foil facings
Core:	PIR Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	25, 30, 40, 50, 60, 70, 90, 100, 110, 125, 150mm
Board Profile:	Square Edge

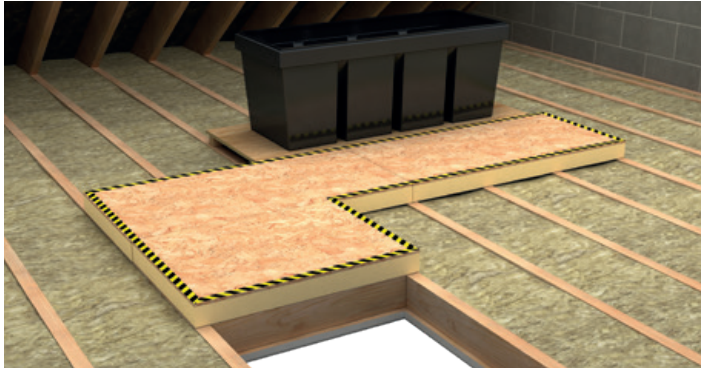
Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R XT/Walk-R

Insulated
Loft decking

PIR Insulation

Thin-R Loft Decking XT/Walk-R is a composite of high performance PIR insulation with tough OSB board that provides safe access into insulated roof spaces. XT/Walk-R maintains very high insulation values and complies with health and safety guidelines.



Key Features:

Safe Access to Attic Space

High Thermal Performance

Complies with Health and Safety Guidelines

Easy to Install

Lightweight

Specifications

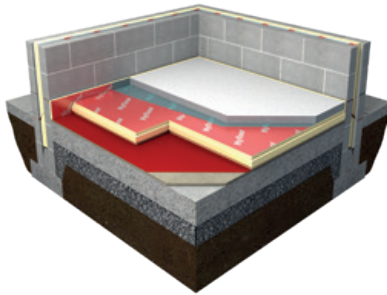
Thermal Conductivity:	0.022 W/mK
Facings:	Low Emissivity Foil Facings/OSB Board
Core:	PIR Insulation
Board Size:	1200mm x 600mm
Board Thickness:	86mm (75mm PIR + 11mm OSB Board)
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Thin-R^{Plus}Enhanced
PIR Insulation**XT/HYF (T&G)**Insulation for
Ground Supported and Suspended Floors

The floor in any building is an area of considerable downward heat loss when not properly insulated. Xtratherm has developed Hyfloor XT/HYF (T&G) engineered tongue and grooved floor insulation as the answer to achieve lower U-Values – in a practical and robust manner.

XT/HYF (T&G) has a superior thickness to performance ratio, allowing the lower targets required under Building Regulations to be achieved with minimum thickness.

**Key Features:**

Excellent 0.021 W/mK Lambda Value

Robust Tongue & Groove Jointing

High Compressive Strength

Suitable for Underfloor Heating

Perimeter Strips for Robust Detailing

Reduced Insulation Thickness

Specifications**BBA Certified Thermal Conductivity:** 0.021 W/mK**Facings:** Composite Foil Facings**Core:** Enhanced PIR Insulation**Board Size:** 2400mm x 1200mm**Board Thickness:** 75, 100, 125, 150mm**Board Profile:** Tongue & Groove

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

FLOORS
XT/HYF (T&G)

Floors

SR/STP

Safe-R

Superior Performance
Phenolic Insulation

SR/STP

Insulation for
Soffit Application

Safe-R Soffit Plus SR/STP provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings.

The high performance phenolic insulation board, with low emissivity textured aluminium foil facings, is adhesively bonded to a magnesium oxide board which offers a secure finish for ease of maintenance to which a decorative finish may be applied.



Key Features:

High Impact Resistant 6mm Magnesium Oxide Board

Fire Classification B-s1, d0

Accepts Decorative Finish

Reduced Thermal Bridging

Lower Lambda Value for Improved U-Values

Specifications

Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Composite foil/6mm magnesium oxide board
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	56, 66, 81, 86, 106mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

Safe-R

Superior Performance
Phenolic Insulation

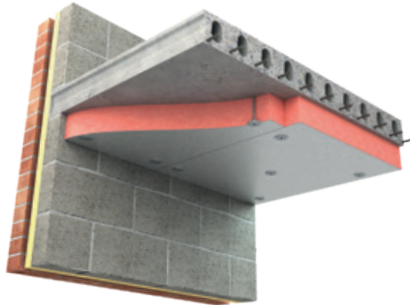
SR/ST

Insulation for
Soffit Application

Floors SR/ST

Safe-R Soffit SR/ST provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings. This high performance phenolic insulation board is faced with low emissivity foil facings.

Safe-R Soffit Board is supplied as a performance, rather than decorative product. Refer to Safe-R Soffit Plus, a high performance laminate that offers low maintenance and security protection with a surface that will accept a decorative finish.



Key Features:

Superior Performance Phenolic Insulation

Fire Classification B-s1, d0

Foil Faced Finish

Reduced Thermal Bridging

Lower Lambda Value for Improved U-Values

Specifications

Thermal Conductivity:	0.020 - 0.021 W/mK
Facings:	Low emissivity foil facings
Core:	Superior Performance Phenolic Insulation
Board Size:	2400mm x 1200mm
Board Thickness:	50, 60, 75, 80, 100mm
Board Profile:	Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times. Please contact your Area Sales Manager for further details

XtroLiner XO/STP

Superior Performance PIR Insulation

Insulation for
Soffit Application

XO/STP provides effective thermal and fire performance solutions in structural ceiling applications in commercial and residential buildings.

The high performance modified PIR insulation board, with low emissivity textured aluminium foil facings, is adhesively bonded to a magnesium oxide board which offers a secure finish for ease of maintenance to which a decorative finish may be applied.



Key Features:

High Impact Resistant 6mm Magnesium Oxide Board

Fire Classification B-s1, d0

Accepts Decorative Finish

Reduced Thermal Bridging

Lower Lambda Value for Improved U-Values

Specifications

BBA Certified Thermal Conductivity: 0.021 W/mK

Facings: Robust Foil facings/6mm magnesium oxide board

Core: Superior Performance PIR Insulation

Board Size: 2400mm x 1200mm

Board Thickness: 56, 66, 81, 106, 126mm

Board Profile: Square Edge

Other thicknesses may be available subject to minimum order quantity and extended lead times.
Please contact your Area Sales Manager for further details

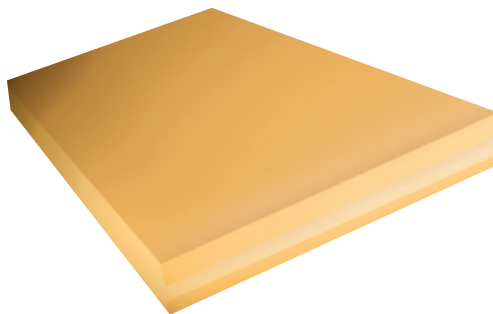
XPS

Extruded
Polystyrene Insulation

XPS/SL

XPS/SL is a high performance rigid extruded polystyrene insulation board providing a durable thermal solution to technically demanding applications where high compressive loading is a requirement.

XPS/SL



Key Features:

Ideally suited for use in highly loaded and trafficked floors, basement walls and inverted roofs

Available in 300 kPa, 500 kPa and 700 kPa

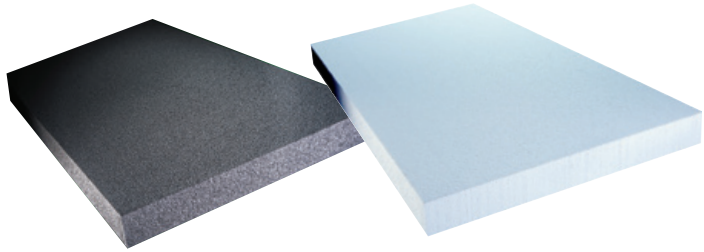
Specifications

Thermal Conductivity:	0.034 - 0.036 (W/mK)*
Core:	Extruded Polystyrene
Board Size:	1250 x 600mm
Board Thickness:	30, 40, 50, 60, 80, 100, 120, 140, 160mm
Board Profile:	Rebated Edge

*Thermal conductivity is dependent on product thickness

EPSExpanded
Polystyrene Insulation**Warm-R / Warm-R
Premium**

The Xtratherm Warm-R & Warm-R Premium Insulation boards consist of rigid polystyrene boards cut from moulded blocks of white EPS (Warm-R) or with grey graphite enhanced EPS (Warm-R Premium).

**Key Features:**

Products available for Partial Fill Cavity Wall, External Wall and Underfloor applications

Extensive range of thicknesses

Available in 70 kPa or 100 kPa

Specifications

Thermal Conductivity:	0.031 W/mK	Warm-R Premium 70 Warm-R Premium 100 Warm-R External Wall Insulation Board
	0.035 W/mK	Warm-R EPS 100 & Warm-R EPS 100A
	0.038 W/mK	Warm-R EPS 70
Core:	Expanded Polystyrene	
Board Size:	1200mm x 600mm	
Board Thickness:	Various	
Board Profile:	Straight Edge	

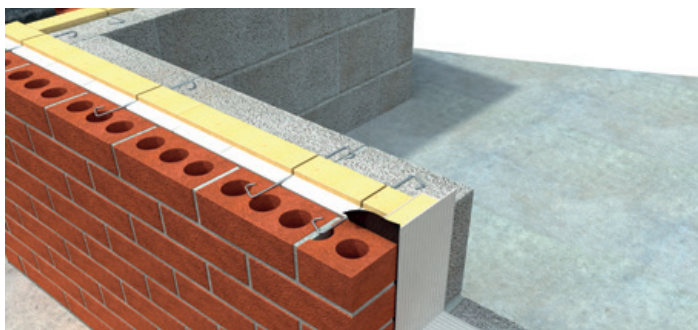
Close-R Close-R

Insulated Cavity Closer Insulation Accessories

Close-R

Xtratherm Close-R fully insulated cavity closers are a cost effective solution for builders and specifiers for the closing of cavities around window and door openings, preventing cold bridging, damp penetration, air infiltration and condensation.

Available with Grey or White EPS, PIR or Phenolic insulation the Close-R range is used to close cavities and is suited to all types of windows and doors and is available in sizes to fit cavity widths from 100mm - 150mm, with checked detail to suit brick or drylined specifications and flanged detail to suit block outer facings. (Flanged detailing requires precise construction tolerances.)



Key Features:

Saves Time

Cost effective

No cut return/Nib block required

Suits 100 - 150mm cavities

Meets Updated Building Regulations

Available from Builder Merchants

Specifications

For further assistance please contact the Xtratherm Technical team

Xtratherm®

More than insulation

With the most comprehensive range of quality products to suit any application, Xtratherm offers high performance insulation delivered to stock or site as and how you need it.

Thin-R	PIR Insulation
XtroLiner	Superior Performance PIR Insulation
Safe-R	Superior Performance Phenolic Insulation
CavityTherm	Built-In Full Fill Insulation
XPS	Extruded Polystyrene Insulation
EPS	Expanded Polystyrene Insulation
Thin-R^{PLUS}	Enhanced PIR Insulation
Close-R	Insulation Accessories

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ISO 9001 | Quality Management Systems

ISO 14001 | Environmental Management Systems

OHSAS 18001 | Occupational Health & Safety



Xtratherm, part of UNILIN group.