

Glasroc H TILEBACKER

Product Data Sheet

Introduction

Glasroc H TILEBACKER is a high performance board specifically designed for use in wet areas such as bathrooms and kitchens.

High levels of moisture and mould resistance, combined with superior dimensional stability make it the high performance alternative to plywood and cement boards, reducing the risk of failure and protecting your reputation.

Glasroc H TILEBACKER is simple to install, it has a pre-primed surface for tiling, is easy to cut, easy to carry and easy to fix. It's also simple to finish in those areas where tiles are not installed. Easy to install means less time fixing the board and more time fixing tiles.

The Glasroc H TILEBACKER range includes both 12.5mm and 6mm thick boards offering a full solution for floors and walls, the 6mm board is even capable of being used to create curved walls.



Product Range

Characteristics

Glasroc H TILEBACKER consists of gypsum incorporating a glass fibre tissue immediately below each surface of the board. The core is reinforced with glass fibre rovings.

The pre-primed acrylic coating provides a suitable tiling surface and enhanced water resistance.

Board Performance

Fire resistance

Please refer to the appropriate WHITE BOOK product or systems section for information on the fire resistance of building elements lined with Glasroc H TILEBACKER.

Reaction to fire test performance

For the purposes of the national Building Regulations, Glasroc H TILEBACKER is designated A1 in accordance with BS EN 13501-1:2007+A1:2009

Thermal conductivity

Glasroc H TILEBACKER - 0.30W/mK.

Limitations of use

Glasroc H boards are not suitable for use in temperatures above 49°C, but can be subjected to freezing conditions without risk of damage. They are not suitable for any areas subjected to prolonged immersion, such as shower bases.

Vapour Resistance

Mean water vapour resistance = 0.625MNs/g to EN12572 (for 12.5mm), 0.3MNs/g to EN12572 (for 6mm) Mean water vapour resistance factor (μ) – 10

Effect of Condensation

The thermal insulation and ventilation requirements of national Building Regulations aim to reduce the risk of condensation and mould growth in new buildings. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects. For further information please refer to WHITE BOOK, available to download from the British Gypsum website at www.british-gypsum.com

Concave or convex structures

6mm Glasroc H TILEBACKER can be used in concave or convex structures with a minimum radius of 600mm.

Board Characteristics

Edge Type: Available in square edge.

Board colour

- Yellow - Face
- White - Reverse

Board Printing

- Face - None
- Edge - None
- Reverse - Product name, board thickness

Board Range

Width mm	Length mm	Nominal Board Weight kg	Thermal Resistance
6mm board 1200	900	6.2	R (m ² K/W) = 0.02
6mm board 1200	2400	16.4	R (m ² K/W) = 0.02
12.5mm board 1200	900	10.6	R (m ² K/W) = 0.04
12.5mm board 1200	2400	28.2	R (m ² K/W) = 0.04
12.5mm board 1200	2700	31.8	R (m ² K/W) = 0.04
12.5mm board 1200	3000	35.3	R (m ² K/W) = 0.04

(NB) Bespoke sizes are also available.

Application and Installation

General

It is important to observe appropriate health and safety legislation when working on site, i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Glasroc H TILEBACKER should be stored on a firm, flat and level surface. If the boards are temporarily stored outside they should be kept clear of the ground and securely covered with an anchored polythene sheet or tarpaulin to protect from dampness and inclement weather.

Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the SITE BOOK, or Manual Handling Guide, available to download from the British Gypsum website at www.british-gypsum.com

Cutting

This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge.

Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations.

Fixing

Glasroc H TILEBACKER is generally fixed using the same methods as Gyproc Plasterboards, using British Gypsum Drywall or Timber Drywall fixings. Where fixing to masonry backgrounds the board can be fixed using Gyproc Dri-Wall Adhesive and Gyproc Nailable Plugs.

Glasroc H TILEBACKER can be used as an additional lining board on partitions to provide a suitable surface for tiling.

For detailed information on fixing Glasroc H TILEBACKER please refer to the appropriate WHITE BOOK and SITE BOOK sections.

Tiling

The board has a pre-primed acrylic coating suitable for direct tiling. Tiles should be installed using the appropriate water resistant grout and tile adhesive, following the manufacturers' guidance. The primed surface Glasroc H TILEBACKER is compatible with all commonly available tile adhesives.

The following guidance applies to the use of Glasroc H TILEBACKER in part tiled areas not directly exposed to wetting.

Plastering

If there is a requirement for plastering the boards, the smooth face of Glasroc H TILEBACKER can be plastered with either Thistle Board Finish, Thistle Multi-Finish or Thistle Durafinish, in conjunction with ThistleBond-it. There should be the minimum of delay between completion of the lining and the commencement of plastering.

Jointing

Gyproc jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. Use Gyproc Joint Cement for jointing Glasroc H TILEBACKER. For further information please refer to WHITE BOOK.

Decoration

After the Thistle Plaster skim coat or Gyproc Joint Cement finish has dried, decoration, including any decorator's preparatory work, should follow with the minimum delay.

Product Standards

EN standard EN 15283-1 Gypsum boards with fibrous reinforcement – Definitions, requirements and test methods – Part 1: Gypsum boards with mat reinforcement.

Type GM-H1: Gypsum board with mat reinforcement with reduced water absorption rate.

Maintenance

Repair

Minor damage - lightly sand the surface to remove burrs and fill flush with two applications of Gyproc Joint Cement.

Deep indents resulting from impact - check the board core to ensure that it is not shattered. If intact, apply a coat of Gyproc Joint Filler, followed by the procedure for repairing minor damage as outlined above, once set / dry.

Extensive damage - when the damage is more extensive it may be necessary to replace that area of board. It is important that the replacement board is of the same type as specified and installed. Cut out the affected area back to the nearest framing member.

Replace the board, accurately cutting and screw-fixing the same type and thickness of board. Fill edge joints, then tape and finish in the recommended way. Redecorate as required.

It is essential that repairs are made 'like for like'. If the finish is Thistle Plaster skim, Gyproc jointing materials must not be used in the repair

For detailed information on Glasroc H TILEBACKER please refer to the appropriate WHITE BOOK and SITE BOOK sections. www.british-gypsum.com

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British Gypsum reserves the right to revise product specification without notice. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work. For a comprehensive and up-to-date library of information visit the British Gypsum website at: www.british-gypsum.com For information about products supplied by Artex Limited or Saint-Gobain Isover please see their respective websites.

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