

Glasroc H TILEBACKER

INTRODUCTION

Overview

Glasroc H TILEBACKER is a paperless faced plasterboard consisting of a gypsum core incorporating a glass fibre tissue immediately below each surface of the board. In addition, the core is also reinforced with glass fibre rovings. The pre-primed acrylic coating on the face of the board provides a suitable tiling surface and enhanced water resistance. Available in square edge.



Applications

Offering enhanced levels of moisture resistance performance, Glasroc H TILEBACKER is suitable as a tiling substrate in high moisture environments including **domestic shower enclosures** and **bathrooms**, **commercial kitchens** and **changing areas**. The board may be used for constructing all forms of internal dry lining system, providing good levels of fire, acoustic and impact performance.

Board colour

Yellow - Face. White - Reverse.

Board printing

Face - None.
Edge - None.
Reverse - Product name, board thickness and production code.

Board range

12.5mm board		
	Kg/m ² = 10.0	R(m ² K/W) = 0.04
Width (mm)	Length (mm)	Edge Type
1200	900	S/E
	2400	S/E
	2700	S/E
	3000	S/E

S/E = Square Edge

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.

BOARD PERFORMANCE

Fire protection

Glasroc H TILEBACKER is a non-combustible plasterboard that achieves a Euroclass A1 classification and satisfies the requirements for Class 0 surfaces in the national Building Regulations when tested in accordance with relevant EN and BS standards

Reaction to fire test performance

Classification of reaction to fire performance for Glasroc H TILEBACKER in accordance with BS EN 13501-1: 2007+A1: 2009

Fire resistance

Fire resistance performances can be achieved when Glasroc H TILEBACKER is used as part of a Gyproc system e.g. GypWall partition system.

Sound Insulation

Sound insulation performances can be achieved when Glasroc H TILEBACKER is used as part of a Gyproc system e.g. GypWall partition system.

Thermal Resistance

With a thermal conductivity (λ) of 0.30W/mK 12.5mm Glasroc H TILEBACKER has a thermal resistance of 0.04m²K/W.

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 or swimming pools.

Mean water vapour resistance = 0.625MNs/g to EN12572

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 buildings. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects.

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 handling and installation of this product should be done with due regard to the legal requirements of all applicable National Safety, Health and Welfare regulations.



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. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used. Consider monitoring of exposure levels during this activity.

Fixing

Glasroc H TILEBACKER should be fixed to appropriate supporting members using Gyproc Drywall Screws of appropriate length and located at appropriate centres according to the nature of the system and materials to which they are being fixed. Glasroc H TILEBACKER can be applied as a single layer to standard Gypframe studs at 600mm centres. Refer to Gyproc Systems Solutions Literature for further guidance.



FINISHING

Tiling

When installed to the yellow coloured pre-primed acrylic coated face of the boards, tiling can be applied without additional pre-treatment directly to the face of the boards. The size of the tiling system (including adhesive and grout) applied to the face of the boards should not exceed 32kg/m² or 12.5mm thickness. Tiles should be installed using an appropriate water resistant grout and tile adhesive, following the manufacturers' guidance.

Prior to application of tiling all board joints should be reinforced using a plasterboard scrim fibre mesh tape. Apply plasterboard scrim fibre mesh tape over joint and fully fill joint using a waterproof tile adhesive.

In areas not exposed to wetting or high levels of humidity, Glasroc H TILEBACKER may be taped and jointed followed by direct decoration or plaster finish. The following guidance applies to these methods of finishing.



Plastering

If there is a requirement for applying a plaster finish to the boards, the face of Glasroc H TILEBACKER must first be pre-treated with a coat of Gyproc ThistleBond-It. Once the Gyproc ThistleBond-It has been allowed to fully dry, the boards may be plastered with a 2mm application of Gyproc Skimcoat, Gyproc Skimcoat Short Set, Gyproc Carlite Finish or Gyproc Carlite Ultra Finish.

NB Gyproc plasters are not moisture resistant products and are not recommended in areas of high humidity. Consideration should be given to the suitability of finishing the Glasroc H TILEBACKER boards with Gyproc Plasters based on the end use environment within which they are being located.

Jointing

Glasroc H TILEBACKER boards should be taped and jointed prior to direct decoration or Gyproc plaster finish. Gyproc jointing materials applied in accordance with our recommendations produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. Use Gyproc Joint Filler or Gyproc Premium Fill prior to plaster finish or Gyproc Joint Cement/ProMix Hydro for jointing Glasroc H TILEBACKER prior to direct decoration.

For flat and internal corner board joints the Gyproc Jointing material is trowel applied to the joint and Gyproc Paper Joint Tape bedded in to the joint filler.

For external angles, Gyproc Corner Tape or Gyproc No-Coat Ultraflex 325 may be used as an alternative to Gyproc Joint Paper Tape, also bedded in to the Gyproc Jointing material. A second coat of Gyproc Jointing material is trowel applied and feathered out to about 200mm width on either side of the joints to ensure a smooth seamless appearance. The joint treatment is allowed to dry and can be lightly sanded to remove any unsightly high spots.

Once dry, a third application of Gyproc Jointing material may be necessary to achieve a seamless appearance, applied slightly wider than the previous application, e.g. where boards are fixed with steps, gaps or minor damage. When the final application has dried and been sanded smooth, the surface is ready for decoration.

Decoration

When tape and jointing procedure is completed and dry, suitable preparatory work may be undertaken prior to direct decoration or plaster finishing. In areas exposed to higher levels of humidity suitable moisture resistant paints are recommended.

Repair

Minor damage prior to application of tiling – for light scuffs, fill flush with tile adhesive.

Minor damage prior to decoration – lightly sand the surface to remove burrs and fill flush with Gyproc Joint Cement/ProMix Hydro. A second coat may be required prior to direct decoration to ensure a seamless appearance is achieved to the surface of the boards.

Extensive damage – where damage to boards is more extensive, full replacement may be necessary. If only a small area of board is damaged, only the affected area needs to be removed providing the board is cut back to the nearest framing members and screw fixed along the cut edges. Replace the board by accurately cutting and screw fixing a new section of board. Joint the boards in accordance with the appropriate jointing method suitable for the finish required.

For a comprehensive and up-to-date library of information visit the Gyproc website at: www.gyproc.ie

www.gyproc.ie

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