

Product Data Sheet

Glasroc® X Sheathing Board 12.5 mm

British Gypsum
SAINT-GOBAIN

Glasroc X Sheathing Board 12.5mm is a gypsum sheathing board with mould resistant properties.

Where to use

Use it to provide external weather protection to Steel Frame System (SFS) constructions prior to the installation of the finished exterior façade system.



Product information

Composition

This product is made up of a gypsum board with a glass fibre mat reinforcement which has inherent mould resistant properties. The mat protects the board with its hydrophobic coating, and has additional UV resistant properties.

Colour

Face colour: White.
Reverse colour: White.

DIMENSIONS AND WEIGHTS

PRODUCT SIZES (mm)	1200 X 2400
Nominal thickness (mm)	12.5
Minimum weight (kg/m ²)	10
Edge options	Square edge
Width: maximum tolerance (mm)	+0
Width: minimum tolerance (mm)	-4
Length: maximum tolerance (mm)	+0
Length: minimum tolerance (mm)	-5
Squareness: 1200mm width boards (maximum difference in diagonal measurements, mm)	5

NB: Dimensional tolerances. Quality controls are set to meet customer requirements between these maximum and minimum tolerances.

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Performance

Here we only provide performance information related to the product. Please see the White Book for system-dependent performance.

Standards

EN 15283-1:2008+A1:2009, Type GM-F & GM-H1.

Declarations of Performance (DoP) available [Click here](#).

Third-party certifications

BBA: 17/5453.

Reaction to fire	A1
Thermal conductivity (W/mK)	0.255
Water vapour permeability (μ)	8.37 (condition c)
Water resistance (maximum total water absorption when tested to EN 15283-1:2008+A1:2009, %)	5
Mould resistance	10/10 when measured in accordance with ASTM D3273-00
UV resistance	No noticeable difference in colour and no degradation in surface water absorption (as measured according to EN520:2004+A1:2009) after 1000h of weathering according to ASTM G155-21
Moisture resistance	GM-H1
Maximum continuous temperature exposure (°C)	49

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Installation

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.

Cutting

Either cut the board with a plasterboard saw, or score the front face with a sharp knife, snap it over a straight edge. Cut holes for items like socket boxes using a utility saw.

Jointing

To maintain optimum performance, apply either Glasroc X Sealant or Glasroc X Sealing Tape White.

Glasroc X Sealant

Before offering any boards into position, a continuous 6 mm wide bead of Glasroc X Sealant is needed along the vertical edge of the surface that the first sheet of Glasroc X Sheathing Board 12.5 mm will abut.

Use Glasroc X Screws 25 mm to fix Glasroc X Sheathing Board 12.5 mm to the SFS framework.

Run a continuous 6 mm wide bead of Glasroc X Sealant along the installed Glasroc X Sheathing Board 12.5 mm exposed edges, which will have other boards abutting against it.

Abut subsequent Glasroc X Sheathing Board 12.5 mm up to the previous one ensuring the sealant "mushrooms" out onto the face of the board, fully sealing the joint.

Glasroc X Sealing Tape White

Before installation of Glasroc X Sealing Tape White, be sure that joints are dry and free from oil, grease and dust.

- a. Remove the protective film. Working upwards from the bottom apply Glasroc X Sealing Tape White centrally to the vertical joints up to the lowest horizontal joint. Apply sufficient pressure to ensure good adhesion.
- b. Apply Glasroc X Sealing Tape White centrally to the horizontal joint, overlapping the vertical joint tape by a minimum of 15 mm.
- c. Tape the next vertical joint above, overlapping the horizontal joint tape by a minimum of 25 mm.
- d. When splicing tape, there must be an overlap of approx. 50 mm.

It is recommended to use a suitable roller across the tape to ensure good adhesion.

Please consult the Glasroc X Sheathing Board Installation Guide for detailed instructions [here](#).

Exposed edges or window openings

If using Glasroc X Sealing Tape White to temporarily protect exposed edges or window openings, Ethylene Propylene Diene Monomer (EPDM) is not required before window framing is installed.

EPDM will still be required for sufficient sealing between Glasroc X Sheathing Board 12.5 mm and window framing.

Hot applied EPDM should not be used on Glasroc X Sheathing Board 12.5 mm.

Screw fixing

Fix the board with the printed side facing outwards. Install fixings at least 13 mm from cut edges and 10 mm from bound edges. Position cut edges at internal angles wherever possible. Stagger horizontal and vertical joints between layers by at least 600 mm.

Snagging and minor repairs

To maintain all performance requirements it will normally be necessary to replace a damaged board; please contact our Technical Support Team for specific advice.

Render carrier

Glasroc X is a featured component of the BBA approved (20/5790) weberend MT system. [Click here](#).

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Sitework

Storage

To ensure declared performance of plasterboards are not compromised they should be stored inside and kept dry. Make sure floor or ground surfaces are flat and strong enough to support them.

If plasterboards 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 rain.

Handling

British Gypsum fully accepts its responsibilities as a supplier of building materials and systems as required by Section 6 of the Health and Safety at Work etc. Act 1974.

To reduce manual handling risk, employers and workers should follow HSE's Manual Handling Operations Regulations 1992 (MHOR) and the HSE's guidance on manual handling at work (INDG143). Employers should carry out a risk assessment and implement control measures to avoid or minimise the need for manual handling. Workers should follow safe lifting and moving techniques and report any hazards. The 'Manual Handling Guide' published by the Gypsum Products Development Association (GDPA) and its member companies can provide additional plasterboard specific guidance and is available on the GDPA website.

Plasterboard handling should be assessed for risk before lifting or carrying. All British Gypsum plasterboards have safety information printed on the board. Where mechanical aids are available, they should be considered in the overall risk assessment.

Safety Data Sheet

Safety Data Sheet (SDS) available. [Click here](#).

Packaging overview

Supplied on a reusable wooden pallet.



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