

Glasroc^x Sheathing Board

**Xtra protection,
built in.**



British Gypsum
SAINT-GOBAIN



Introducing Glasroc X Sheathing Board



Glasroc X is a high performance sheathing board which provides up to 6 months weather protection as certified by the British Board of Agrément (BBA). It is a reliable lightweight alternative to cement particle boards and is quick to install, without the need for specialist cutting or dust extraction equipment, and with less mess on site.

This is the only gypsum based sheathing board with full BBA certification verifying its weather protection performance in its own right, rather than as part of a system. This means that you can be confident that the board will withstand all typical UK weather conditions prior to the completion of the external facade.

The board has a gypsum core containing special additives for moisture and mould resistance, is reinforced with a glass mat

on both surfaces and is finished with a UV resistant coating.

The non-paper faced board is free from cellulose content and therefore has a strong resistance to mould growth and water penetration, whilst also providing Euroclass A1 non-combustible reaction to fire performance.

The board is BES6001 certified 'Good' which means that it can contribute to points and credits under environmental schemes such as BREEAM.



Key features

- ✓ Easy to score and snap resulting in valuable programme time savings compared to cement particle boards
- ✓ Lightweight, 10.9kg/m² for easier site movement and installation. Compared to cement particle boards this equates to a weight reduction of approximately 35%, resulting in a product that is easier to handle and install, especially when working at height
- ✓ Dimensionally stable to aid in maintaining weather protection and air tightness performance
- ✓ Fire resistance tests for up to 120 minutes fire resistance are available

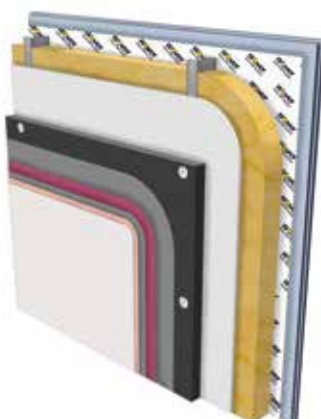
Glasroc X Sheathing Board is designed to provide temporary weather protection for a number of external structural frame steel (SFS) constructions where the façade / cladding system is fixed through the Sheathing Board into the SFS stud:



SFS with
brick-tie
system



SFS with
rainscreen
cladding



SFS with
externally
insulated façade
system (EIFS)

100

YEARS OF MAKING
A DIFFERENCE

At British Gypsum we're passionate about helping our customers create better spaces to live, work and play. With over 100 years' experience in plaster, plasterboard and ceiling solutions, we already have a multitude of high performance products and systems. However we're pushing the boundaries in our current thinking and we have an ambitious innovation programme, which is driven by working closely with our customers.



About British Gypsum

A reputation you can reply on

We're well known for our expert technical knowledge and the support that we provide to our customers. When you work with British Gypsum you get a commitment to quality and great service. As our customer, we can offer you a great deal more. Whether it's training, technical advice or help recycling your plasterboard offcuts, we're sure we have a service to support your business needs.

Technical support

All of our advisors are fully trained on legislation and system requirements, and can help you with your questions whether small or complex. Customers can obtain advice on a range of topics, including acoustic, fire, structural and thermal requirements.

Our team of technical specialists provide guidance on British Gypsum products and systems, providing solutions to your needs.

If you have any technical enquiries get in touch with us:

Tel: 0115 945 6123

Email: bgtechnical.enquiries@bpb.com

Plasterboard recycling service

Our Plasterboard recycling service provides major benefits to you. It helps you to manage site waste more effectively and improves site safety. The service removes and recycles your plasterboard waste into new board. It provides comprehensive data to enable you to track waste, project by project, and identify and address waste hot spots.

It is a valuable tool to help you drive down the cost of waste management and ease the implementation of your statutory environmental obligations, as well as help you drive improvement within your own business.

Plasterboard recycling service contacts:

Tel: 0800 633 5040

Fax: 0800 917 9353

Email: bgprs@bpb.com

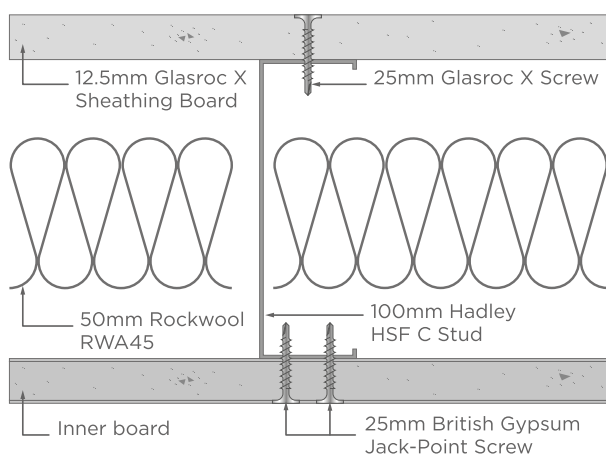
Performance tables

All fire, acoustic and weathering performance testing was undertaken with the complete Glasroc X solution installed; Glasroc X Sheathing Board, Glasroc X Sealant and Glasroc X Screws.

All three items must be installed together to achieve these performances.

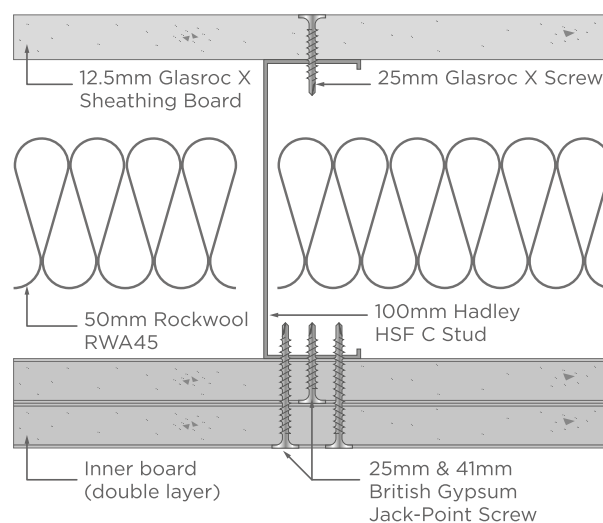
Fire resistance performance requirements will vary depending upon factors including building height, use and location. For further information, refer to Approved Document B (England), Approved Document B (Wales) and Scottish Technical Handbook Section 2: Fire.

> Non-loadbearing fire test[†] (BS 476: Part 22: 1987)



Inner Board Type	Fire Resistance (in to out)	Fire Resistance (out to in)
15mm Gyproc FireLine	60mins <i>BTC19613F*</i>	60mins <i>BTC19614F*</i>
2x15mm Gyproc FireLine	120mins <i>BTC19712*</i>	120mins <i>BTC 19616F*</i>

> Loadbearing fire test[†] (BS 476: Part 21: 1987)



Inner Board Type	Fire Resistance (in to out)	Fire Resistance (out to in)
2x15mm Gyproc FireLine	60mins <i>BTC19751F*</i>	30mins <i>BTC19735F*</i>
2x15mm Gyproc WallBoard	60mins <i>BTC19789F*</i>	N/A

[†]System performances shown in the above tables are for indicative purposes only and were conducted on 100mm 1.2mm C studs with Glasroc X Sheathing Board as the external lining.

*Test Report Number

> Acoustic test[†]

Inner Board Type	Insulation	Acoustic Performance
2x15mm Gyproc WallBoard	50mm Rockwool RWA45	49R _w dB

> Characteristic wind load resistance

Design wind load resistance (kPa)	Distance between vertical support rails (mm)
1.33	600

> Glasroc X Sheathing Board performance table

	Description	Performance
General	Density	872kg/m ³
Mechanical properties	Flexural strength longitudinal direction according to <i>BS EN 15283-1:2008</i>	>540N
	Flexural strength transverse direction according to <i>BS EN 15283-1:2008</i>	>210N
Fire	Reaction to Fire – Euro class according to <i>BS EN 13501-1:2007</i>	A1
Thermal	Thermal conductivity according to <i>BS EN 12667:2001</i>	0.186 W/mK
	Thermal resistance (12.5mm board)	0.067m ² K/W
Permeability	Water vapour resistance (12.5mm board) according to <i>BS EN ISO 12572:2001</i>	4.57 x 10 ⁸ m ² sPa/kg 0.46 MNs/g
	Water vapour resistance factor μ according to <i>BS EN ISO 12572:2001</i>	7.0
Moisture resistance	Water uptake (2hrs immersion) according to <i>BS EN 15283-1:2008</i>	H1
Mould resistance	Resistance to mould growth – <i>ASTM D3273</i> test	10/10

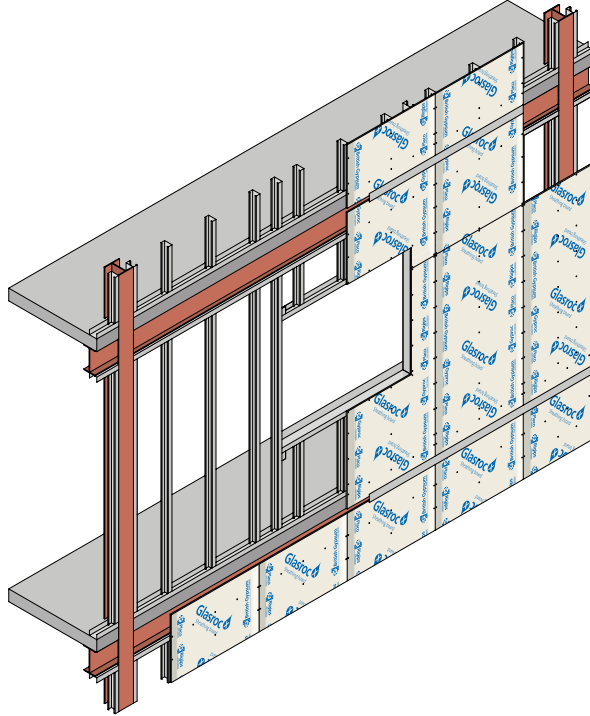


Glasroc X
Sheathing Board is
BES 6001 certified



Technical details

- > External Wall SFS -
Glasroc X Sheathing
Board elevation



- > External Wall SFS -
Glasroc X Sheathing
Board jointed with
Glasroc X Sealant



Installation guidance

STEP 1

Completed Structural Frame Steel (SFS) framework ready to receive the Glasroc X Sheathing Board.



STEP 2



Measure the required length of board to be installed. If cutting is necessary, score Glasroc X Sheathing Board with a suitable knife and snap the board cleanly to length or width.



STEP 3

Run a continuous 6mm bead of Glasroc X Sealant along the vertical edge of the surface that the first sheet of Glasroc X Sheathing Board will abut.

STEP 4

Manoeuvre the board into position against the framework.

STEP 5

Fix Glasroc X Sheathing Board around its perimeter and to intermediate studs using Glasroc X Screws at 300mm centres. The first fixing of the board into the stud should be 100mm above / below the channel / track leg.

(NB) Glasroc X Screws are suitable for metal studs up to 3.2mm gauge.

Glasroc X Screws should be installed flush to the surface of the board. If below the surface of the board, Glasroc X Sealant should be applied to cover the head.



Installation guidance (Continued)



STEP 6

Run a continuous 6mm bead of Glasroc X Sealant along the vertical corner between stud and the installed Glasroc X Sheathing Board exposed edges, which will have other boards abutting against it.

(NB) Glasroc X Sealant is supplied in foil cartridges.

If installing above another row of installed board, Glasroc X Sealant should also be applied to seal the horizontal joint.

STEP 7

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



STEP 8

Fix subsequent sheets of Glasroc X Sheathing Board around its perimeter and to intermediate studs using Glasroc X Screws at 300mm centres. The first fixing of the board into the stud should be 100mm above / below the channel / track leg.

(NB) Glasroc X Screws should be installed flush to the surface of the board. If below the surface of the board, Glasroc X Sealant should be applied to cover the head.



STEP 9

Where openings are required, first fix around the perimeter of the opening using Glasroc X screws at 300mm centres. The opening can then be cut. Alternatively, if a spandrel panel or door/window header is to be used, repeat steps 4-6 with a piece of Glasroc X Sheathing Board cut to the appropriate size.

STEP 9

Finished Glasroc X Sheathing Board in place.



System components

> Glasroc® Sheathing Board



Sizes

12.5 x 1200 x 2400mm

Pack size

50 boards per pallet

> Glasroc® Screws



Sizes

25mm

Pack size

1000 pieces per box
10 boxes per carton
48 cartons per pallet

Corrosion performance*

1000hrs salt spray
accelerated

> Glasroc® Sealant



Sizes

600ml foil sausages

Pack size

12 pieces per box
75 boxes per pallet

*Corrosion performance in accordance with BS EN ISO 9227:2017



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Die Seite nach außen - Ön yüz - The side facing outwards



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British Gypsum October 2017
BG-GXIG-01



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