

# Glasroc X

## Product Data Sheet

### Introduction

Glasroc X is a high performance board specifically designed to provide external weather protection to SFS constructions prior to the installation of the finished exterior façade system.

It has high levels of moisture, fire and weather resistance, combined with a superior dimensional stability which makes it a high performance alternative to cement particle boards. Glasroc X is easy to cut, fix, handle and install, requiring no specialist tools.

### Product description

Glasroc X is a gypsum board with mat reinforcement which has inherent mould resistant properties. The glass fibre mat protects the board with its hydrophobic coating, and has additional UV resistant properties.

### Board performance

#### Moisture resistance

Glasroc X meets *BS EN 15283-1 GM-H1* gypsum boards with mat reinforcement with reduced water absorption rate not greater than 5%.

#### 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 X.

Glasroc X meets *BS EN 15283-1 GM-F* gypsum boards with mat reinforcement with improved core cohesion at high temperature.

#### Reaction to fire test performance

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

#### Thermal conductivity

 Glasroc X - 0.19W/mK

#### Limitations of use

Glasroc X boards are not suitable for use in temperatures above 49°C, but can be subjected to freezing conditions without risk of damage.

#### 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.

#### Board colour

- White face paper with blue printing
- White reverse side paper

#### Board printing

- Face Branding and logos.
- Edge Product code, EAN number, board thickness x width x length, edge type.
- Reverse Standard and certification.

# Board performance

## Board range

Width mm	Length mm	Edge type
12.5mm Board — $\text{kg/m}^2 = 10.9$ $\lambda$ (W/mK) = 0.19		
1200	2400	S/E

S/E = Square Edge

## 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.

### Storage

The boards must be stored on a firm, flat and level surface. If the boards are temporarily stored outside they must be sufficiently supported off the ground and covered by a securely anchored polythene sheet or tarpaulin to protect them from dampness, weather, contamination and mechanical damage e.g. from construction traffic.

### 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 [british-gypsum.com](http://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. 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.

### Fixing

Fix boards with printed side out to ensure the required weather protection and UV performance. Lightly butt boards together. Never force boards into position.

### Fixing

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

### Jointing

Glasroc X Sealant is a neutral cure, elastic silicone sealant which has a fire rating of up to 4 hours in certain joint configurations (when tested to *BS EN 1366-4: 2006*).

## Product standards

*BS EN 15283-1 Type GM - F and H1*

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T: 0115 945 6123  
F: 0115 945 1616  
E: [bgtechnical.enquiries@bpb.com](mailto:bgtechnical.enquiries@bpb.com)

Training enquiries: 0844 561 8810

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