

# Glasroc® X

12.5 mm

Gyproc Glasroc® X is a reliable lightweight, high performance external PlasterBoard.

**Gyproc Glasroc® X** is a high performance board specifically designed to provide external weather protection to LSF constructions prior to the installation of the finished exterior façade system in humid environments requiring high protection against water e.g. frequently used for external ceilings. 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. Gyproc Glasroc® X is easy to cut, fix, handle and install, requiring no specialist tools.

## Performance



Environmentally friendly

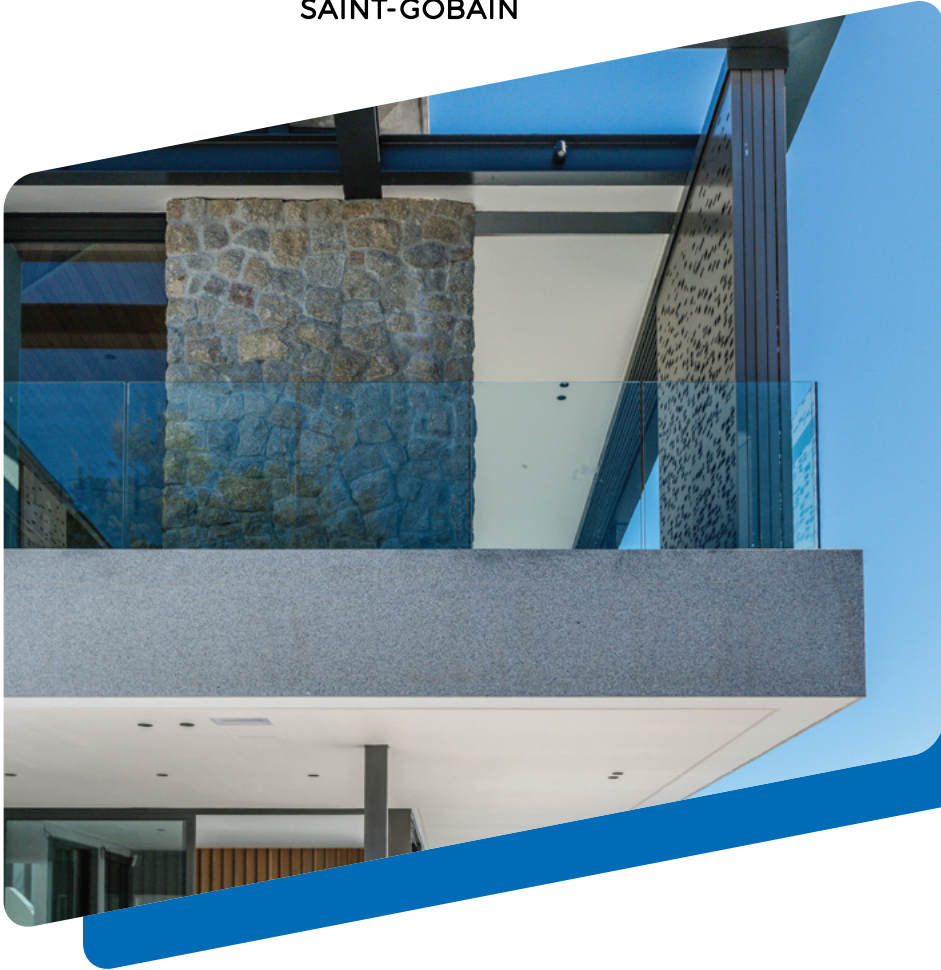


Smooth finish



Superior aesthetics & design





**Gyproc Glasroc® X** is a high performance glassmat reinforced gypsum board which has inherent mould resistant properties. The glass fibre mat protects the board with its hydrophobic coating and has additional UV resistant properties.

\*Camps Bay Glasroc® X Eaves System project.

#### Moisture resistance

Gyproc Glasroc® X meets SANS 266 moisture resistance gypsum board requirements with reduced water absorption rate not greater than 5%.

#### Acoustics

Glasroc® X systems are designed to provide improved acoustic insulation. Isover® Cavitybatt™ Insulation offers a significant contribution to the acoustic performance.

#### Fire resistance

For the purposes of the National Building Regulations, Gyproc Glasroc® X is designated as non-combustible in accordance with SANS 10400-T: 4.56.

#### Thermal resistance

Gyproc Glasroc® X - 2.6 W/mK

#### Limitations of use

Gyproc 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.

#### Board range

Thickness (mm)	Width (mm)	Length (mm)	Edge type	Mass (Kg/m <sup>2</sup> )
12.5	1 200	2 400	Square	10.9

## Application and installation

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. Lift the board and hold in an upright position, do not slide a board off the stack as it may cause scuffing.

### 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. NB - Gyproc Jack-point Screws should be installed flush to the surface of the board.

### Jointing

For **internal** jointing, apply joint reinforcement and cover with chosen plaster or tile adhesive.

For **external** use a band of 300 mm wide Glasroc® X Fibre Mesh should be applied over the joints. The 300 mm Glasroc® X Fibre mesh should be embedded in the Weber® Tylon® X Basecoat render/plaster.

For **internal and external** application jointing is the first step. Chosen plaster will need to be applied after jointing.

## Finishing

### Tiling

Seal around perimeters including the base of the lining with waterproof sealant. The board has a pre-primed 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 Gyproc Glasroc® X is compatible with all Weber® Tylon® tile adhesives.

The surface of Gyproc Glasroc® X is pre-primed ready to receive a tiled finish, but first wipe down the surface to remove any dust before starting. The following guidance applies to the use of Gyproc Glasroc® X in part tiled areas not directly exposed to wetting.

### Internal Plastering

If there is a requirement for plastering the boards, the printed side of Gyproc Glasroc® X can be plastered with either Gyproc RhinoLite® Multipurpose, Gyproc RhinoLite® Natural Plus or Gyproc RhinoLite® Crestestone®. There should be the minimum of delay between completion of the lining and the commencement of plastering.

### External Plastering

Apply exterior jointing as per description above. Apply 2 layers of Weber® Tylon® X Basecoat to a total nominal thickness of 6 - 8 mm. Reinforce Weber® Tylon® X Basecoat with Glasroc® X Fibre mesh.

### Internal Decoration

Apply paint in accordance with paint manufacture specifications.

### External Decoration

Apply polymeric coating or paint in accordance with manufactures specification.

### Repair

**Minor damage** - lightly sand the surface to remove burrs and fill flush with jointing material, as specified under jointing.

**Deep indents resulting from impact** - check the board core to ensure that it is not shattered. If intact, apply a coat of joint filler. Follow the procedure for repairing minor damage as outlined above.

**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 of board. Fill edge joints, as per joint specification, then tape and finish in the recommended way. Redecorate as required.



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