

# RhinoBoard®

## MoistureResistant

### 12.5 and 15mm

Gyproc RhinoBoard MoistureResistant is designed for use in Gyproc wall systems as a suitable base for tiling in wet areas and also used for external soffits in sheltered positions.

Gypsum plasterboard with water repellent additives in the core and paper liners. Gyproc RhinoBoard® MoistureResistant consists of an aerated gypsum core with water repellent additives encased in, and firmly bonded strong paper liners. Gyproc RhinoBoard MoistureResistant is plasterboard that is suitable for drylining internal surfaces.

### *Performance*



Used in wet areas up to 70% humidity



Easy to install – similar to standard plasterboard



Fire resistant





### Product Performance

Gyproc RhinoBoard® MoistureResistant is manufactured in accordance to SANS 266 Gypsum plasterboard.

### Fire Resistance

Water absorption: Less than <5% Water Absorption as per SANS 266.

### 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.

### Quality

Gyproc RhinoBoard® MoistureResistant 12.5mm and 15mm is manufactured according to ISO 9001 Quality management system and ISO 14001 Environmental management system and complies with SANS 266.

### Reaction to fire performance

Gyproc RhinoBoard® MoistureResistant linings provide good fire protection owing to the unique behavior of the non-combustible gypsum core when subjected to high temperatures.

### Board range

Thickness (mm)	Width (mm)	Length (mm)	Edge type	Mass (Kg/m <sup>2</sup> )
MoistureResistant	12.5	2 700 3 000	Taper edge	Kg/m <sup>2</sup> = 10.78
MoistureResistant	15	2 700 3 000 3 600	Taper edge	Kg/m <sup>2</sup> = 13.54

For the purpose of National Building regulations Part T: Fire, Gyproc RhinoBoard® MoistureResistant 12.5mm and 15mm is regarded as non-combustible i.e. Gypsum board with less than 7.5% paper or other combustibles according the SANS 10177-5.

### Thermal Insulation

#### MoistureResistant – 12.5mm

- R 0.056m<sup>2</sup>K/W
- K 0.21 W/m<sup>2</sup>K

#### MoistureResistant – 15mm

- R 0.059m<sup>2</sup>K/W
- K 0.25 W/m<sup>2</sup>K

Tolerances: SANS 266

Thickness: + 0.5mm

Length: + 0 -6mm

Width: + 0 -5mm

### Board colour

- Green paper on decoration side
- Green paper reverse side paper.

### Limitations of use

Gyproc RhinoBoard® MoistureResistant 12.5mm and 15mm is unsuitable for use in temperatures above 49°C but can be subjected to freezing conditions without risk of damage. Gyproc RhinoBoard® MoistureResistant 12.5mm and 15mm is unsuitable for any areas subjected to prolonged immersion, such as shower bases or swimming pools without have ventilation and a controlled environment.

## Application and installation

Gyproc RhinoBoard® MoistureResistant 12.5 mm or 15 mm is used in wet areas as a suitable base for tiling. The board is a silicone impregnated gypsum board that is suitable for use in showers, bathrooms and kitchens.

Gyproc RhinoBoard® MoistureResistant is used in areas where ceramic wall tiling is required and is not suitable for protection against continuous dampness or as a base for cementitious rendering.

### 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.

Gyproc RhinoBoard® MoistureResistant 12.5 mm and 15mm should be stored on a firm, flat and level surface in a dry place, preferably inside a building and properly protected from damp and inclement weather. If boards are to be stacked on a concrete floor inside a building, a damp proof membrane should first be laid down, or a timber platform should be provided.

### Cutting

This product may be cut using a Stanley knife and snapping the board over a straight edge. When cutting boards, 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 decorative side out to receive joint treatment or a skim plaster finish. Lightly butt boards together. Never force boards into position. Install fixings not closer than 13 mm from cut edges and 10mm from bound edges. Position cut edges to internal angles whenever possible, removing paper burrs with fine sandpaper. Stagger horizontal and vertical board joints between layers by a minimum of 600 mm. Locate boards to the centre line of framing where this supports board edges or ends. There is a wide variety of fixing

devices suitable for securing fixtures and fittings to lining systems. Generally, the choice of individual fixing devices will depend on the type of system and the loading requirements.

### Finishing Jointing

Gyproc RhinoTape® should be applied for the reinforcement of the joints and a smooth, continuous, crack-resistant surface ready for priming and final decoration.

### Decoration

All surfaces that receive glazed tiling must be treated with two coats of a vapour resistant sealer before applying the glazed tiles.

Where ceramic tiles are used the wall surface must be painted or covered with a coating high impermeable to water. The junction between floor and finished wall surface must be completely sealed by either:

1. A polysulphide or silicone sealant between wall tiles and floor.
2. A plastic skirting 100mm high fully bonded with chloroprene contact adhesive.
3. A standard timber skirting with a strip of bitumen polyurethane foam compressed underneath the skirting. Please refer to Gyproc's wet and dry specifications for full tiling specifications in showers and bathrooms.

### Repair

**Minor damage** – lightly sand the surface to remove burrs and fill flush with two applications of RhinoGlide® jointing compound.

**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 the screw-fixing the same type off board. Fill edge joints, then tape and finish in the recommended way. Redecorate as required.

### Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Gyproc RhinoBoard® handling section of the RhinoBoard® for walls book, available to download from [www.gyproc.co.za](http://www.gyproc.co.za)



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