

# RhinoBoard®

## PLASTERBOARD 9 mm

### *Performance*



Environmentally  
friendly



Inspiring  
spaces



Superior aesthetics  
& design

Gyproc RhinoBoard® 9 mm consists of an aerated gypsum core encased in, and firmly bonded to, strong paper liners. Gyproc RhinoBoard® 9 mm is plasterboard that is suitable for ceilings and bulkheads in residential and commercial buildings.

Waste from gypsum plasterboard products is normally classified as 'non-hazardous', inert and is fully recyclable. Having undergone a rigorous life-cycle assessment (LCA), Gyproc RhinoBoard® 9 mm has been accredited with the Environmental Product Declaration (EPD).





## Usage

Suitable for most applications where ceilings and bulkheads are specified. Suitable for direct decoration or RhinoLite® plasters.

## Performance

### Thermal Insulation

- R 0.042 m<sup>2</sup> K/W
- K 0.21 W/mOK

### Tolerances

Thickness: . . . . . ± 0.5 mm  
Length: . . . . . +0 -6 mm

### Board colour

- Ivory paper on decoration side
- Brown reverse side paper.

### Product standards

Gyproc RhinoBoard® 9 mm is manufactured according to ISO 9001 Quality management system and ISO 14001 Environmental management system and complies with SANS 266.

### Reaction to fire performance

For the purpose of National Building regulations Part T: Fire, RhinoBoard® 9 mm is regarded as non-combustible i.e. Gypsum board with less than 7.5% paper or other combustibles

### Limitations of use

Gyproc RhinoBoard® 9 mm is unsuitable for use in temperatures above 49°C but can be subjected to freezing conditions without risk of damage. Gyproc RhinoBoard® 9 mm is unsuitable for any areas subjected to prolonged immersion, such as shower bases or swimming pools without have ventilation and a controlled environment.

### Board range

Width (mm)	Length (mm)	Edge type	Mass (Kg/m <sup>2</sup> )	R value (m <sup>2</sup> K/W)
1200	2 400	S/E	6.8 Kg/m <sup>2</sup>	0.042 (m <sup>2</sup> K/W)
	2 700			
	3 000			
	3 600			



## 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.

Gyproc RhinoBoard® 9 mm 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 utility knife or blade runner and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility knife. 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 10 mm 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

### Plastering

If there is a requirement for plastering the boards, the smooth face of RhinoBoard® 9 mm can be plastered with either Gyproc RhinoLite® Multipurpose, Gyproc RhinoLite® Natural Plus or Gyproc CreteStone®. There should be the minimum of delay between completion of the lining and the commencement of plastering.

### Jointing

Gyproc jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. Use Gyproc RhinoGlide® for jointing RhinoBoard 9 mm.

### Decoration

After the skim coat or jointing compound finish has dried, decoration, including any decorator's preparatory work, should follow with the minimum delay.

### 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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