gyproc
SAINT-GOBAIN

NEW

RhinoROC™ | THE STRENGTH TO BUILD YOUR DREAMS

Fibre Cement Boards

Introducing the **innovative fibre cement range**

SAINT-GOBAIN

RhinoROC™

New Fibre Cement Board

Gyproc RhinoROC™ 4 mm and 6 mm fibre cement flat boards are 100% asbestos-free and made from cement, sand, cellulose fibres, and additives.

Utilising high-quality raw materials and the latest Hatschek manufacturing processes with autoclave technology, Gyproc RhinoROC™ flat boards deliver superior quality, durability, and outstanding moisture resistance.

Gyproc RhinoROC™ 4 mm and 6 mm fibre cement flat boards have been designed to withstand rotting, swelling & warping in areas susceptible to moisture. This makes RhinoROC™ ideal for ceilings in high humidity environments, internal rooms such as kitchens and bathrooms.

Due to its versatility and durability, Gyproc RhinoROC™ 6 mm is suitable for outdoor applications like eaves.

Performance

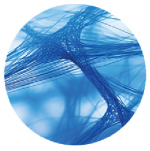
Superior High Grade Quality

FEATURE

Superior Quality

BENEFIT

RhinoROC™ 4 mm and 6 mm are produced using high-quality raw materials and the latest Hatschek and Autoclave manufacturing technology, instilling confidence in both installers and consumers alike.



Super Resilient & Extra Durable

FEATURE

Durable in multiple environments

BENEFIT

RhinoROC™ 4 mm and 6 mm flat boards have been designed and manufactured to withstand a wide range of indoor and outdoor environments.

Top Moisture Resistance

FEATURE

Moisture resistance properties

BENEFIT

RhinoROC™ 4 mm and 6 mm flat boards are engineered to resist rotting, swelling, and warping thanks to their superior moisture resistant properties.

RhinoROC™

Flexural Strength

The ability of a fibre cement board to resist bending-forces before it breaks. This measures how much load or stress the board can withstand when supported at two points and loaded in the centre.

Linear Expansion

The change in length of a fibre cement board when its moisture content changes from an oven-dry state to a saturated (wet) state.

Water Absorption

Measures how much water the board takes in when soaked, compared to how much it weighs when dry.

This is a key indicator of porosity, material density, durability, and moisture resistance.

Tolerances

Thickness: ±0.6 mm

Length: +3–6 mm

Width: +3–5 mm

Modulus of Elasticity

The Modulus of Elasticity (MOE) is a measure of the stiffness of a fibre cement board and its ability to resist deformation when subjected to an applied load.

It indicates the extent to which the board will bend under load before reaching its breaking point.

A higher MOE denotes a stiffer board with reduced deflection and greater resistance to flexing under service conditions.

RhinoRoc™ 4 mm Internal	Average: 9677 N/mm^2
RhinoRoc™ 6 mm Internal	Average: 8655 N/mm^2
RhinoRoc™ 6 mm External	Average: 5751 N/mm^2

Reaction to Fire Performance

In accordance with SANS 53501 classification, RhinoROC™ 4 mm and 6 mm boards are classified as non-combustible materials.

Product Standards

RhinoROC™ 4 mm and 6 mm is manufactured according to a combination of SANS 803 & EN 12467 & ASTM C1186 standards.

Limitations of Use

RhinoROC™ 4 mm and 6 mm boards perform as intended for their specified internal and external applications when correctly installed.

BOARD THICKNESS (mm)	BOARD WIDTH (mm)	BOARD LENGTH (mm)	EDGE TYPE	MASS (kg/m^2)	FLEXURAL STRENGTH (mpa)	LINEAR EXPANSION (In water) (%)	WATER ABSORPTION (After 24 hrs) (%)	MOISTURE CONTENT (%)	DENSITY (kg/m^3)
4	900, 1200	2400, 2700, 3000, 3600	Square Edge	5.8	According to SANS 803	< 0.16	< 32	< 13	1300 ± 50
6				8.6		< 0.16	< 36	< 13	1300 ± 50

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Application & Installation General

Always comply with relevant health and safety regulations when working on-site. This includes using personal protective equipment (PPE) such as protective clothing and tools. The following guidelines are intended as general advice only. Project-specific design requirements must be considered during planning and installation.

Decoration

After installing Gyproc Aluzinc M-Strip or Plastic H-Strip, apply primer. Once priming is complete, proceed with any decorative work.

RhinoROC™ boards can be painted or finished in accordance with the paint manufacturer's specifications. Always use high-quality exterior-grade coatings suitable for fibre cement.

Handling

Off-loading:
Handle boards carefully to avoid strain or damage. Lift each board upright, do not slide boards off the stack, as this may cause scuffing.

Carrying:
Always handle boards with two people, carrying them on their edge. When lifting, keep the long edge in contact with the stack. Do not lift boards flat (with the face parallel to the ground). This can lead to breakage. Always carry them on their edge to prevent damage and ensure safe handling.

Safety:
Consider the weight of the boards during handling and use proper lifting techniques to prevent injury.

Fixing

Board Orientation: Install RhinoROC™ flat boards with the smoother side facing out.

For RhinoROC™ 4 mm flat boards:
- Fix to timber brandering spaced at required spacing centers with appropriate fixings.

For RhinoROC™ 6 mm flat boards:
- Fix to timber brandering spaced at required spacing centers with appropriate fixings.

***Refer to Saint Gobain details for further specifications**

Jointing

Use proprietary M-Strip and H-Strip trims in accordance with the manufacturer's instructions.

Cutting

Flat boards can be cut using a utility knife or appropriate power tools. When using a utility knife, score the surface of the board. Snap over a straight edge.

Cut openings for lighting before fixing the boards. When cutting, use tools carefully and follow the manufacturer's recommendations. Power tools should only be operated by trained and competent individuals.

Always wear appropriate PPE when handling, cutting or installing boards.