

DuraLine

15 mm RhinoBoard

Higher density core with glass fibre and other additives. Gyproc DuraLine consists of an aerated gypsum core with glass fibre and other additives encased in, and firmly bonded to strong paper liners. Gyproc DuraLine is a plasterboard that is suitable for drylining internal surfaces.

Performance



Fire Resistant



Impact Resistant



Breaking Resistant





Usage

Gyproc RhinoBoard DuraLine is designed for use in Gyproc wall systems which are designed with a higher density core to give greater impact resistance in heavy use areas.

Applications

Gyproc RhinoBoard DuraLine is used in major circulation areas for example corridors and stairwells. Designed for areas that require greater impact resistance and an increase level of robustness.

Product Performance

This plasterboard is manufactured in accordance to SANS 266 plasterboards

Duty Rating

Duty ratings are a method of determining the robustness (or durability) of a non-loadbearing partition system and its suitability within a building.

Gyproc RhinoBoard DuraLine is tested to BS 5234. This standard covers the design, installation and performance of partitions and Gyproc RhinoBoard DuraLine is classified as a heavy duty rating.

Reaction to Fire performance

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

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

Fire resistance / sound insulation

Please refer to the Gyproc Professionals Guide for information on the fire resistance and sound insulation of building elements lined with Gyproc RhinoBoard DuraLine.

Effect of condensation

The thermal insulation and ventilation requirements of

Board Range

Width (mm)	Length (mm)	Edge Type	Mass (Kg/m ²)
1 200	3 000 3 600	Taper Edge	14.15

nationals 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.

Thermal Insulation

- R0.059 m².K/W
- K0.17 W/mK

Tolerances:

- Thickness: + 0.5 mm
- Length: + 0 -6 mm
- Width: + 0-5 mm

Board colour

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

Limitations of use

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

Quality

Gyproc RhinoBoard DuraLine is manufactured according to ISO 9001 Quality management system and ISO 14001 Environmental management system and complies to SANS 266.

General

Gyproc RhinoBoard DuraLine is used in major circulation areas for example corridors and stairwells. Designed for areas that require greater impact resistance and an increase level of robustness. 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 DuraLine 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 13mm 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 600mm. 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.

Plastering

If there is a requirement for plastering the boards, the smooth face of Gyproc RhinoBoard DuraLine can be plastered with either Gyproc RhinoLite, Gyproc RhinoLite Natural Plus or Gyproc Crestestone. 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.

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



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