



PRODUCT DATA SHEET

COREBOARD

Introduction

Used as the main board in the Gyproc ShaftWall system to provide fire protection with temporary moisture protection during construction.

Product Description

A 19mm thick version of Gyproc FireLine MR board. Gyproc CoreBoard consists of an aerated gypsum core with glass fibre, water repellent and other additives encased in, and firmly bonded to strong paper liners. Gyproc CoreBoard is a plasterboard that is suitable for drylining internal surfaces.

This plasterboard is one of the products within our plasterboard range that is certified to BES 6001 achieving a rating of "Excellent".

Board Performance

Fire protection

Plasterboard linings provide good fire protection owing to the unique behaviour of the non-combustible gypsum core when subjected to high temperatures. For the purposes of the national Building Regulations, plasterboard is designated a 'material of limited combustibility' (Technical Guidance Document B). The surfaces of Gyproc CoreBoard are designated Class 0 (for the purposes of national Building Regulations). Please refer to the table below. Fire resistance / sound insulation

Fire resistance / sound insulation

Please refer to the appropriate Gyproc **White Book** product or systems section for information on the fire resistance of building elements lined with Gyproc CoreBoard.

Reaction to fire test performance

WIDTH MM	EDGE TYPE
BS 476: Part 6: 1989 Method of test for fire propagation for products.	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1 (both sides).
EN 520:2004, A1: 2009.	Classified without further testing as A2-s1, d0.

Thermal conductivity

Ⓐ Gyproc CoreBoard - 0.24W/mK

Effect of Temperature

Gyproc CoreBoard is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Plasterboards are not suitable for use in temperatures above 49°C but can be subjected to freezing conditions without risk of damage.

Board Performance continued

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

- Green face paper
- Green reverse side paper

Board printing

- Face** No print
- Edge** No print
- Reverse** Product description, compliance standards and certifications.

Board range

WIDTH MM	LENGTH MM	EDGE TYPE
19mm Board		kg/m ² = 17.0 R (m ² K/W) = 0.08
598	3000	S/E

S/E = Square Edge

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.

Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the **Installation Guide** available to download from www.gyproc.ie.

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. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. 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 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.

Product standards

EN 520: 2004, A1:2009 Gypsum Plasterboards, definitions, requirements and test methods.

Type D: Gypsum plasterboard with controlled density. These boards have a controlled density, with a face to which suitable decoration may be applied. This enables improved performance in certain applications to be obtained.

Type F: Gypsum plasterboard with improved core adhesion at high temperatures. Plasterboard with a face to which suitable decoration may be applied. These boards have mineral fibres and / or other additives in the gypsum core to improve core cohesion at high temperatures.

Type H1: Plasterboard with reduced water absorption rate. Boards which have additives to reduce the water absorption rate. They may be suitable for special applications in which reduced water absorption properties are required to improve the performance of the board. For the purposes of identification, these boards are designated Type H1, H2 and H3, with different water absorption performance.

Maintenance

Minor damage - Lightly sand the surface to remove burrs and fill flush with Gyproc Joint Filler or Gyproc Gyp Filler. When dry, apply Gyproc Drywall Primer to leave the surface ready for decoration.

Deep indents resulting from impact - Check the plasterboard core to ensure that it is not shattered. If intact, apply a coat of Gyproc Joint Filler or Gyproc Gyp Filler, followed by the procedure for repairing minor damage as outlined above, once set / dry.

Damaged core and / or broken edges (non-performance situations only) - Remove the damaged area of core. Score the liner approximately 10mm away from the sound plaster around the damaged area, and peel the paper liner away. Apply GypPrime or PVA to seal the core and surrounding liner. Bulk fill the hole with a stiff mix of Gyp Filler, or Gyproc Joint Filler, and strike off flush. Apply Gyproc Gyp Filler or Gyproc Joint Filler, once the filler is set / dry. When dry, apply Gyproc Drywall Primer (only suitable in non-performance solutions).

Extensive damage - When the damage is more extensive, it may be necessary to replace that area of plasterboard. 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 plasterboard, accurately cutting and screw fixing the same type and thickness of plasterboard. Fill edge joints, then tape and finish in the recommended way. Treat the finished surface with Gyproc Drywall Primer. Redecorate as required.

Sustainability

Manufacturing locally, in Ireland, for over 80 years', we base our approach to business on the following; changing how we build, for the better, for the future; caring for the environment we operate within; supporting and developing our people; connecting with our communities and supporting their economic development.

Volatile Organic Compounds

All locally manufactured Gyproc plasters and plasterboards have been assessed by Normec testing and demonstrates compliance with VOC requirements on low emitting products of French A+ class, German AgBB/ABG, BREEAM Int (exemplary level) and LEED EU. Testing was performed according to the latest versions of EN 16516 and ISO 16000 series by ISO/IEC 17025 accredited test laboratory Servaco/Normec Product Testing.

Waste management and resource use

Our approach has been to adopt the waste hierarchy, and only use landfill as a last resort. Ensuring sustainable purchasing and minimising use of raw materials is an important part of our strategy. Dependence on virgin raw materials continues to be minimised through the use of reclaimed and recycled materials, and using resources in the most efficient manner. We have led the industry in recycling plasterboard waste, reducing the pressure on landfill and preserving gypsum deposits. This has brought us to where we are today with the inclusion of up to 13% recycled content in our plasterboard manufacture process.

BES 6001 classification

Excellent.

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For a comprehensive and up-to-date library of information visit the Gyproc website at: www.gyproc.ie



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