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PRODUCT DATA SHEET

WALLBOARD

Product Description

Standard board product. Gyproc WallBoard consists of an aerated gypsum core encased in, and bonded to paper liners.
Gyproc WallBoard is a plasterboard that is suitable for drylining internal surfaces.

Board Performance

Fire protection

Plasterboard linings contribute towards fire resistance due to the 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). Please refer to the table below.

Fire resistance / sound insulation

Please refer to the appropriate Gyproc White Book product or systems section for information on the fire resistance and sound insulation of building elements lined with Gyproc WallBoard.

Reaction to fire test performance

STANDARD	PERFORMANCE
EN 13501-1 in accordance with EN 520: 2004, A1: 2009.	Classified without further testing as A2-s1, d0.

Thermal conductivity

Ⓛ Gyproc WallBoard - 0.25W/mK

Effect of temperature

Gyproc WallBoard 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.

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.

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Board Performance continued

Board colour

Ivory face paper

Brown 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
9.5mm Board		kg/m$_2$ = 7.6 R (m$_2$K/W) = 0.038
1200	2438	T/E
12.5mm Board		kg/m$_2$ = 8.3 R (m$_2$K/W) = 0.05
1200	2400	T/E
	2438	T/E S/E
	2700	T/E
	2743	T/E
	3000	T/E
15mm Board		kg/m$_2$ = 10.5 R (m$_2$K/W) = 0.06
1200	2400	T/E
	2438	S/E
	2700	T/E
	3000	T/E

T/E = Tapered Edge **S/E** = Square Edge

Board types

T/E - with Gyproc jointing materials used with Gyproc Paper Joint Tape.

S/E - for general applications and undecorated applications.

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.

Plastering

The face (ivory) of Gyproc WallBoard can be plastered with either Gyproc Skimcoat, Carlite Ultra Finish or Carlite Finish. There should be the minimum of delay between completion of the lining and the commencement of plastering.

Jointing

Gyproc jointing materials can be used to create a joint surface ready for priming and final decoration. A number of jointing specifications are available to suit the board type, method of application, and site preference.

Decoration

After the joint treatment has dried, decoration, including any decorator's preparatory work, should follow.

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Product standards

EN520: 2004, A1:2009 Gypsum Plasterboards, definitions, requirements and test methods.

Type A: Gypsum plasterboard

Plasterboard with a face to which suitable gypsum plasters or decoration may be applied.

Regulatory information

Complies with the product emission requirements of The Taxonomy Regulation (EU) 2020/852.

Maintenance

Repair

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 or Gyproc Drywall Sealer 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 (nonperformance 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 Gyproc 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.

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.

NB It is essential that repairs are made 'like for like'. If the finish is skim plaster, jointing materials must not be used in the repair.

Sustainability

Manufacturing 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 demonstrate 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.

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 provide a plasterboard recycling service with the aim of reducing 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

All locally manufactured plasterboards, plasters and gypsum based adhesives are certified Excellent under the BES 6001, Framework Standard for Responsible Sourcing.

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