gyproc
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PRODUCT DATA SHEET

WALLBOARD PREMIUM

Introduction

A high quality plasterboard developed, designed and produced to deliver significantly improved performance in the residential market. Suitable for direct decoration or Gyproc plaster finish.

Product Description

Gyproc WallBoard Premium with increased performance compared to standard plasterboard, consists of an aerated gypsum core with reinforced glass fibre encased in, and firmly bonded to, extra strong paper liners. Gyproc WallBoard Premium is a plasterboard that is suitable for drylining internal surfaces which can be skim plaster finished or directly decorated.

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 WallBoard Premium are designated Class 0 (for the purposes of national Building Regulations). Please refer to the table below.

Reaction to fire test performance

STANDARD	PERFORMANCE
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

λ WallBoard Premium - 0.19W/mK

Effect of temperature

Gyproc WallBoard Premium is unsuitable for use in areas subject to continuously damp or humid conditions, i.e. above 70% RH, unless intermittent, 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.

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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.

Sound Insulation

At slightly over 10kg/m^2, Gyproc WallBoard Premium satisfies the minimum requirement for 10kg/m^2 commonly referenced for plasterboard linings of the example solutions included throughout Technical Booklet G of the current Northern Ireland Building Regulations 2012 and Technical Guidance Document E of the current Republic of Ireland Building Regulations 2014, which sets out the requirements for the resistance to the passage of sound within and between buildings.

Board colour

Brown 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
12.5mm Board		kg/m^2 = 11 R (m^{2}K/W) = 0.07
1200	2400	T/E

T/E = Tapered Edge

Board types

T/E - with Gyproc Jointing Materials used in conjunction with Gyproc Paper Joint Tape.

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.

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 and finishing treatment. 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 recommended minimum of 600mm. Locate board edges to the centre line of intermediate framing where they are required for support or to maintain fixings.

Plastering

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

Jointing

Gyproc Jointing Materials used with Gyproc Paper Joint Tape produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration or finish plastering. 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, i.e. Gyproc Drywall Primer should follow with the minimum delay.

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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.

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 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 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 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 lead 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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PDS

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