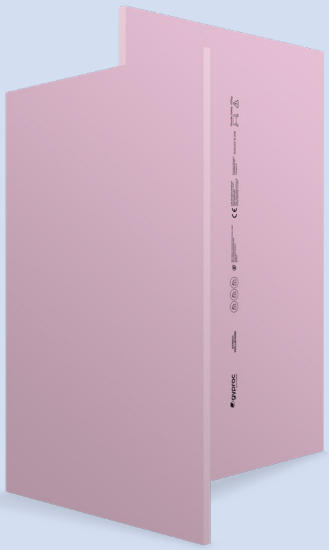

PRODUCT DATA SHEET

FIRELINE MR

Product Description

Gyproc FireLine mr with enhanced fire performance consists of an aerated gypsum core with glass fibre reinforcement and other additives encased in, and bonded to paper liners. Gyproc FireLine mr 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. The inclusion of glass fibre and other additives in the core of Gyproc FireLine mr improves its fire protective properties when compared with standard plasterboard. For the purposes of the national Building Regulations, plasterboard is classified as a EuroClass A2.
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, sound and robustness performances of building elements and Gyproc systems lined with Gyproc FireLine mr, available to download at www.gyproc.ie.

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

λ Gyproc FireLine mr – 0.25W/mK

Effect of temperature

Gyproc FireLine mr 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.

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 Performance continued

Board colour

- [ ] Pink face paper
- [ ] Pink 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$_2$ = 12.0 R (m$_2$K/W) = 0.05
1200	2400	T/E
15mm Board		kg/m$_2$ = 13.5 R (m$_2$K/W) = 0.06
1200	2400	T/E

T/E = Tapered Edge

Board types

T/E - with Gyproc branded jointing materials used 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. 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 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

Skim plastering should not normally be specified to Gyproc MR grade boards. These types of board are intended for use in environments of higher than normal humidity for which no gypsum plaster is designed to be suitable. Where moisture resistant board options are used in shell and core construction to provide temporary resistance to high moisture conditions, they can be skimmed at a later date after the building envelope has been made weather-tight. Plaster should be applied only to the face of moisture resistant boards and pre-treatment with ThistleBond-it is required.

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.

SAINT-GOBAIN

Product standards

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

Type F: Gypsum plasterboard with improved core adhesion at high temperatures.

Plasterboard with a face to which suitable gypsum plasters or 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

Repair

Minor damage – Lightly sand the surface to remove burrs and fill flush with Gyproc Gyp Filler or Gyproc Joint 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 (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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