

Product Data Sheet

Glasroc F



Robust and fire resistant Glasroc F has been developed to provide efficient and effective protection to structural columns and beams.

Product Overview

Gyprock Glasroc F is a 30mm thick, paperless, high density, square edged gypsum board designed as a frameless encasement for structural steel beams and columns to provide a fire rating of up to FRL 120/-/-.

The board has been engineered with glass tissue immediately below the surface of the board and glass fibre rovings throughout the core providing excellent impact resistance. Glasroc has a smooth surface, and great moisture tolerance in partially exposed situations.

Installation is quick and simple with Glasroc F boards screw-fixed to one another without the need for additional framing, adhesive or fillers. Jointing and the application of decorative treatments are not required for a smooth and robust surface, but may be considered for aesthetics.

Typical Applications

Glasroc F is predominantly specified for encasing column and beams in commercial buildings including; offices, hotels, hospitals and other public buildings.

The frameless encasement system is suitable for protecting structural steel members with a section factor H_p/A up to $260m^{-1}$, calculated on the box protection of all exposed sides. It will protect universal column and beam sections, other re-entrant sections such as channels and angles, and hollow sections.



Fire-rated

Can be used for fire protection of structural steel columns and beams



Easy to Install

One layer with no jointing requirements

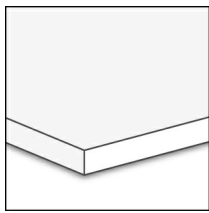


Impact Resistant

Reduces damage from soft and hard body impact

Available Edge Profiles

Gyprock Glasroc F is available with a square edge (SE) edge profile.



SE has no recesses on any edge. This allows sheets to be butted together neatly to form a square finish.

Tested Fire Performance

Gyprock fire rated plasterboard products are manufactured with special additives to enhance their fire resistance properties. The additives slow the progress of heat and flame, and when used as part of a CSR fire rated system, provide performance options suitable for many construction types.

CSR provides a range of wall and ceiling systems, junction and penetration details, which meet and exceed the requirements of the Building Code of Australia. These solutions often include a combination of plasterboard, insulation, sealants and accessories to reach various performance criteria.



International Alliance Program

Glasroc F was developed by worldwide plasterboard specialist Saint-Gobain and forms part of Gyprock's International Alliance program. The program is aimed at developing exclusive relationships with leading manufacturers to deliver the best products to the Australian market.



Technical Specifications

Product Options

Gyprock Glasroc F is available in the following sizes:

Thickness	30mm
Widths	1200mm
Lengths	2000mm
Edge Profiles	Square Edge for applications not requiring jointing

Stockholdings of specific sizes may vary in different regions. For the latest product availability in your area and to place an order, contact your **nearest supplier**.

Product Manufacture

Gyprock Glasroc F is manufactured for CSR Gyprock by worldwide plasterboard specialist Saint-Gobain.

Product Handling

Transportation and manual handling: Refer to the **Gypsum Board Manufacturers of Australia (GBMA) website** for recommended OH&S practices.

Storage: Protect plasterboard and cornice from weather and moisture. Avoid products sagging by storing horizontally, supported on a level platform or full-width support members spaced at max. 600mm centres.

Health and Safety

Safety Data Sheets are important documents in the construction industry and assist in the continuing focus on occupational health and safety on and off sites.

Manufacturing Tolerances

Nominal Thickness	30mm ± 0.5mm
Nominal Widths	1200mm ± 3mm,
Nominal Lengths	2000 ± 5mm
Squareness	Cut ends ± 3mm in the width of the board

Physical Properties

Nominal Board Weight*	25.5kg/m ²
Thermal Performance: R-Value	0.10 m ² K/W
Combustibility	Glasroc F is tested to international standard EN 1338-4:2013 and assessed to AS 4100 1998 AMD 1-2013 Steel Structures.

*Subject to reasonable manufacturing variance.

Resources

Gyprock makes available **resources** that provide comprehensive selection, design, installation and maintenance guidance.



International Alliance Warranty

Through the International Alliance program, Gyprock seeks to develop exclusive relationships with leading manufacturers throughout the world to deliver the best technologies and products to the Australian construction industry.



Certified Low VOC

Exceeds the GBCA specification for Volatile Organic Compound content according to independent testing.