



Product Data Sheet

# Fire Mastic



Gyprock Fire Mastic is a permanently flexible, water based acrylic sealant for fire resistant caulking of penetrations and joints in plasterboard and masonry surfaces.

## Product Overview

Gyprock Fire Mastic is an off-white, low VOC, fire and acoustic acrylic grade sealant manufactured to stringent product specifications, and featured in many Gyprock fire and acoustic rated systems. It has a working life of 30 minutes and a skin time of 15mins. It provides a neutral paintable surface once cured, and is intumescent, expanding when exposed to fire or extreme heat.

## Typical Applications

Gyprock Fire Mastic is designed to create a fire resistant seal around pipes, conduits, busways, cable trays and ducts which penetrate walls, floors and ceilings. It will bond to plasterboard, masonry, concrete, metal deflection heads and cable coverings.



### Sealant

Off-white acrylic sealant



### Fire-rated Properties

Assists in fire-rated caulking of penetrations



### Acoustic Properties

High acoustic rating when used in a system

## Technical Specifications

### Product Options

Gyprock Fire Mastic is available in a 600ml sausage and has a shelf life of 12 months from date of manufacture.

For product availability and to place an order, contact your nearest supplier.

### Physical & Chemical Properties

Appearance	Off White paste
Working time	Skin time = 15mins, Working time = 30mins
Joint movement capability	+/- 20%
Elongation at break	>400%
Modulus	<0.4MPa at 100% elongation, fully cured. 0.8MPa max modulus.
Intumescent	Yes
Viscosity	750,000 – 950,000cP
Specific gravity (H <sub>2</sub> O=1)	1.50 – 1.60
Acoustic rating R <sub>w</sub>	Tested to R <sub>w</sub> + C <sub>tr</sub> 55 as a gap sealant in a wall system.
Fire rating*	Up to FRL -/240/240 FRL when tested as a control joint to AS1530.4 supplemented by AS4072.1 and BS476: part 20.
Halogen free	Yes
VOC content (as specified by GBCA)	31g/L
Service temperature	-20 to 80oC
Hardness (Shore A)	23 – 35

### Product Manufacture

FireMastic is manufactured for CSR Gyprock in Australia to stringent product specifications.

### Product Handling

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

**Storage:** Store unopened sausages below 30°C in a cool dry place away from direct sunlight. Opened sausages may skin and form a lump near the opening. Discard any lumps or skin and remaining product can be used.

### 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.

\* for 10mm x 10mm joint in concrete. For full details on FireSeal suitability, fire and acoustic performance, mandatory system requirements or applicable system warranties for all products or building systems within CSR, please refer to the relevant design guides published by Hebel®, Gyprock®, Bradford™ or Cemintel™.

## Installation Instructions

### Installing to Standards

AS/NZS2589: Gypsum linings – Application and Finishing outlines the procedures for jointing and finishing of Gyprock plasterboard in conjunction with additional details contained in Gyprock Technical Literature.



#### Manufactured for Life

Gyprock products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system.



#### Certified Low VOC

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

### Resources

Gyprock makes available [resources](#) that provide comprehensive selection, design, installation and maintenance guidance.