

Fire Mastic

Gyprock Fire Mastic is a permanently flexible, water based acrylic sealant for fire resistant caulking of penetrations and joints in plasterboard walls and ceilings. It is a one-part water based sealant with a working life of 30 minutes and a skin time of 15 minutes. It provides a neutral paintable surface once cured, and is intumescent, expanding when exposed to fire or extreme heat.

Recommended Use

Gyprock Fire Mastic is an off-white, low VOC, fire and acoustic sealant, suitable for bonding to plasterboard, masonry, concrete, steel, and cable coverings. It is designed to create a fire-resistant seal around pipes, conduits, busways, cable trays and ducts which penetrate walls, floor and ceilings in commercial applications. It is recommended that Fire Mastic is only applied when used as part of a specified Gyprock system.

Important

- Ensure substrates, particularly highly porous surfaces, are clean, sound, dry and free from oil, grease, release agents, dust and loose material, silicone and water repellents.
- Do not apply Fire Mastic in temperatures above 35°C to avoid possibility of sealant bubbling due to rapid moisture evaporation.
- Do not apply Fire Mastic to water retaining structures.
- Do not use Fire Mastic in exterior applications where two non-porous substrates are to be sealed.
- For exterior applications, Fire Mastic must be protected from direct rain or water including dew and fog for at least 24 hours until sealant has formed a thick skin.
- Curing rates will be significantly longer in temperatures below 15° C and high humidity conditions.
- Always use clean tools.

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. Discards any lumps or skin and remaining product can be used.



Product Features



Fire-Rated

Can be used as part of a fire-rated system



Acoustic Properties

Assists in fire-rated caulking of penetrations and junctions



Sealant

Off-white acrylic sealant

Australian Made



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Fire Mastic Specifications	
Feature	Description
Appearance	Off white paste
Working Time	30 min
Skin Time	15 min
Packaging	600ml/900g sausage
Shelf Life	12 months from date of manufacture
Specific Gravity	Approx 1.55/ml
VOC content (as specified by GBCA)	8g/l as VOC content per material
Joint Movement Capability	+/-20%
Service Temperature	-20 to 80°C
Hardness (Shore A)	Approx 35
Acoustic Rating Rw	Tested to Rw + Ctr 55 as a gap sealant in a wall system.
Fire Rating	For use in junctions and penetrations in CSR Gyprock wall systems rated up to 120/120/120
Isocyanate free	Yes
Intumescent	Yes
Product Manufacture	Fire Mastic is manufactured for CSR Gyprock in Australia and made to stringent product specifications.



Installation

1. Ensure substrate surfaces are clean, sound, dry and free of oil, grease and surface contaminants such as dust, loose particles, release agents, silicone and water repellents. This is particularly important regarding highly porous surfaces such as aerated concrete or cut edges of plasterboard.
2. In circumstances where it is difficult to ensure completely dust free surfaces, applying by brush a 1:1 solution of Fire Mastic and water as a primer, will assist to improve the integrity of the substrate. Areas adjacent to joints may be masked to provide a neat finish. Masking should be removed immediately after tooling.
3. Fill joint with trowel or caulking gun, then tool off with a spatula and clean off excess with a damp cloth. Ensure Fire Mastic is applied in ambient conditions between 5°C and 35°C.
4. After applying Fire Mastic, clean all tools and metal surfaces with warm water while the sealant is still wet. Cured sealant will need to be removed mechanically.

Fire Testing

Gyprock Fire Mastic has been tested for periods of up to four hours, in systems, in accordance with AS1530.4 and achieved the following fire resistance levels (FRL):

1. Plasterboard systems up to FRL 120/120/120.
2. Masonry systems up to FRL 240/240/240

Mechanical Testing

Tests to AS4072 have shown that Gyprock Fire Mastic has movement capabilities of +/- 20% after curing, which means that this product remains flexible and resists cracking.

Installing to Standards

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.

Health and Safety

Refer to the Safety Data Sheet for this product which is available from www.gyprock.com.au or contact:

CSR Gyprock
Trinity 3, 39 Delhi Rd, North Ryde NSW 2113
Australia Phone: **131 744**
New Zealand Phone: **0800 277 123**

Resources

For further information on this product please visit www.gyprock.com.au or refer to the Gyprock Red Book. For technical support, contact:

DESIGNLINK™

PHONE: 1800 621 117

Manufactured For Life Warranty

Gyprock products are manufactured for life with all CSR products designed to achieve optimal performance when part of a CSR integrated system. Gyprock continues to lead the market with premium quality products which are the preferred choice of plastering professionals. Gyprock plasterboard products are manufactured to the Australian Standards AS2588 providing confidence in quality of product and support. For details on our product warranty, please log onto www.gyprock.com.au/warranty, or contact us on **1300 306 556**.



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