

# FIREPRO

## FIRE PROTECTIVE BUILDING PRODUCTS

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CI/SfB

M707 DATASHEET – Dec 16

Product specifications can change. Contact us to ensure you have our latest datasheet

# FIREPRO M707

## Fire Protective

## Intumescent Acoustic Sealant

### - Water clean up

M707 is a one-part, water-borne, high performance, tough and gunnable sealant. It has been formulated to give the best balance of hardness and flexibility with good resistance to fire, sound, and moisture.

Prior to a fire M707 is effective as a stable yet flexible seal with excellent adhesive properties. In a fire it intumesces to form a hard material firmly sealing it in place to provide integrity and insulation.

Firepro M707 is primarily used for fire rating around penetrating items and construction joints, especially concrete panels. It is useful for sealing small gaps around services penetrating fire rated partitions, and other fire rating situations where an economical and simple to apply fire stopping material is required. M707 has excellent adhesion to a wide range of building materials, including concrete, brick, plasterboard, glass, cables, PVC, steel, timber, mineral fibre, and ceramic fibre

**ACOUSTIC SEALANT** - Firepro M707 maintains the sound transmission class (STC) of 55 in gaps in partitions.

### ADVANTAGES

- Used in NZ for over 20 years.
- Good flexibility - joint movement +/- 20%.
- Fire rating for gaps up to 50mm.
- Acoustic Sealant.
- M707 can be painted over with appropriate coatings.
- Contains no isocyanates.
- Asbestos free.
- Very easy to apply and gives a smooth finish.
- One part - no mixing.
- Priming not normally required.
- Water clean up.
- Low odour.
- VOC 25 (g/l).

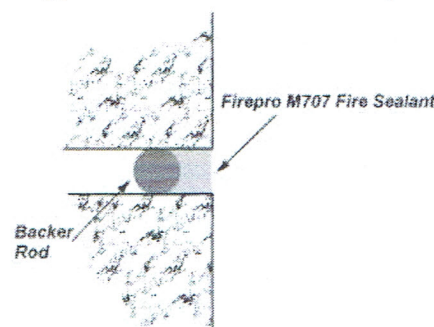
### DURABILITY

Firepro M707 has been used extensively in New Zealand for over 20 years.

M707 is a one-part, water-borne sealant.

It has been formulated to give the best balance of hardness and flexibility with good UV resistance.

### Typical construction of wall joint.



### FIRE TEST DATA

3Hr or more FRL when fire tested to AS1530 Part 4 in gaps up to 50mm wide in concrete walls and floors. Testing also available for many other situations, in some cases giving up to 4Hr FRL. M707 is used in conjunction with other Firepro fire tested products and other manufacturers fire tested products. See Firepro B109, B311, B312, B314, and B315 datasheets. We also have other fire-rated sealants tested in different situations. See Firepro M706 datasheet. Other Firepro products may also be used as alternatives to fire-rated sealants.

Fire Stopping Plasterboard Penetrations	60 minute wall	120 minute wall
Steel pipe max 113mm OD	-/ 60 / 30	-/ 120 / 30
UPVC electrical conduit 20mm OD	-/ 60 / 60	-/ 120 / 120
3 flat TPS 3 core copper conductor cables	-/ 60 / 60	-/ 120 / 120

- 1) Gap between penetrating item and board - maximum 10mm.
- (2) M707 applied to full thickness of penetrated boards.
- (3) 20mm fillet of M707 applied between penetrating item and outside of wall surface.
- (4) For TPS cables M707 applied minimum of 50mm along cables on each side of wall.

**NOTE:** For fire protecting joints and penetrations in plasterboard walls see Firepro M706 Datasheet.

*NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. If used beyond the situations detailed on this datasheet we advise confirming their suitability before installation. All dimensions are nominal.*

*We reserve the right to make changes or to withdraw designs and products without notice.*

# FIREPRO M707

## APPLICATION NOTES

Joint surfaces must be clean, sound, free from dirt, grease, dust or other contaminants.

Surfaces should be dry.

Do not apply to wet surfaces.

Apply at temperatures between 5 – 30 C.

Priming/sealing is not normally required for most substrates. If sealing is required apply one brush coat and allow to dry before the application of the sealant.

Fill joints with backer rod or bond breaker tape prior to sealant application. Joint groove must be at least 10mm deep. Some shrinkage will occur.

Apply sealant in required ratio of 2:1 (width to depth) for joint sealing, but with a minimum depth of 10mm.

Joints up to 50mm can be sealed in one application.

Tool off within the working time of 15 minutes. Tooling off may be assisted by wetting tool.

Do not apply when rain exposure is likely within 24 hours of application or before surface is cured. Curing time is dependent upon weather conditions and thickness of sealant.

Uncured sealant may be removed with clean water.

M707 is not intended for use in fireplaces, kilns, or furnaces. Do not use in water retaining structures where ponding may occur, or where access or replacement is difficult or moderately difficult, or where detection of failure or damage would not occur in normal use or maintenance.

## CHARACTERISTICS

Product Type  
High Performance Water borne

Specific Gravity	1.6 +/- 0.1
Tack Free Time	30 minutes at 25°C
Working Time	15 minutes at 25°C
Through Cure Time	4 Days (approx.)
Joint Movement Capability	+/- 20%
Elongation	290 to 340%
Service Temperature Range	-20 to +90°C

## PACKAGING

M707 is available in 300ml cartridges, 600ml sausages and 10 litre buckets.

Colour: Grey



## Coverage per 100 lineal metres -

10 x 10mm deep:	10 Litres.
15 x 10mm deep:	15 Litres.
20 x 10mm deep:	20 Litres.
30 x 15mm deep:	45 Litres.

## STORAGE

Keep in unopened containers at 5 to 30°C.

## SAFETY

Wash hands after use with soap and water. Prolonged skin contact may irritate. Wear appropriate protective equipment.