



## GSA FIRE SEAL FIRE RATED SEALANT

Check certification requirements or consult the relevant certifying authority before use in a fire rated application.

### Description

GSA fire seal acrylic Sealant is a flexible, one component acrylic sealant, fire-rated up to 4hours for sealing interior and vertical exterior joints up to 50mm wide subject to moderate movement. Ideal for Tilt-up construction / expansion joints, sealing fire door frames and service penetrations, Also used for dry wall partitioning as an acoustic sealant to 56 STC rating.

Seals at room temperature upon exposure to air with excellent adhesion to most common building materials generally without the use of a primer. Applied sealant remains permanently flexible, accommodating up to 30% total joint movement and will retain elastomeric properties under normal ambient conditions.

### Key Performance Properties

- Tested according to AS1530.4 standards
- Up to 4 hours fire resistance
- Can be applied separately in joints up to 50mm wide
- Paintable with most water based and synthetic paints
- Easy to apply and clean
- ±15% joint movement
- Non corrosive towards metals
- Available in white & grey
- Available in 300 ml cartridge or 600 ml sausage

### Advantages

Water based - can be applied to damp surfaces / wash-up with water Adhesion to most common building substrates.

Paintable offers good adhesion with most common house paints. Durable, excellent UV and mildew resistance when appropriate premium Exterior Acrylic finish applied.

Primer is not usually required for most substrates. However, if doubtful, test substrates prior to sealant application.

### Specification

- Fire rating: Up to 4 hours , depending on design -AS 1530 – Part 4, 2014
- Acoustic rating: 56 STC in plasterboard partition -ASTM E413-87 for calc. ISO 140/III for method
- Specific gravity: 1.60 - 1.62
- Solids by weight: 84 - 85%
- UV Resistance: Excellent with appropriate premium exterior finish.
- Break strength: approx. 0.6 MPa -ASTM D2370-8

- Elongation at break: 250% - 300% -ASTM D2370-82
- Cyclic movement capacity. ±15% joint movement -ASTM C-920-87
- Peel strength - Concrete Excellent -ASTM C-920-87  
-Masonry Excellent -ASTM C-920-87
- Service temperature: -20°C to 90°C
- Open time: Approx. 20 mins @ 23°C
- Tooling time: up to 10 minutes when temperature below 25°C

### Limitations

GSA fire seal acrylic Sealant is not recommended as a sealant for use in the following situations:

Do not use for continuous immersion in water e.g. swimming pools, spa baths, etc.

Do not use for expansion joint in exterior floors or decking. Sealant should not be used when both substrates are non-porous, i.e.. one surface should be porous to allow moisture to escape on drying.

Sealant should not be applied in totally confined areas as very slow cure may result.

Should not be applied when exposure to rain is likely within 24 hours of application.





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### Shelf life / Storage

Provided sealant is stored in original unopened container and below 27°C, shelf life will exceed twelve months from the date of delivery.

### Curing properties - @ 23°C / 50%RH

Premium-flex Fyreseal can be tooled for up to 10 minutes after application, forms a skin within 20 minutes and cures to a depth of approximately 5mm in 7 days. Figures should be used as a guide only as rate of drying will depend on ambient conditions and the nature of the substrates.

### Application / Surface preparation

Ensure surfaces are clean dry and free from dust. Use mechanical or solvent cleaning methods i.e.. Methylated Spirits or similar to prepare surfaces. Ensure sealant has good contact with substrate surface. Tool off to a smooth finish if necessary within 10 minutes.

### Safety instructions

Provide adequate ventilation during application. Premium-flex Fyreseal is non-toxic and non-hazardous. Prolonged skin contact may cause irritation to some individuals. Wash soiled clothing and skin with soap and water before sealant dries. Uncured sealant may irritate the eyes. In case of contact, flush eyes with water for 15 minutes. If irritation persists seek medical attention.

### Packaging

300 ml cartridges - 24 units per carton  
600 ml sausages - 12 units per carton  
80 cartons per pallet (960 units)

**First Aid :** Please refer to the Safety Data Sheet which is available at [www.cwbrands.com.au](http://www.cwbrands.com.au)

### Disclaimer

CW Brands Pty Ltd believes that the information in this technical data sheet is an accurate description of the typical uses of the product. The data and statements are based on our research and development work and is to the best of our knowledge true and accurate. The user must ensure of the product(s) in their application prior to use in particular to determine its performance, efficiency and safety. The use of this product is beyond the manufacturer's control, and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Products conform solely to the information contained in this and other related CW Brands Pty Ltd publications.

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