

# GSA FIRE SEAL



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## Description

GSA fire seal acrylic Sealant is a 1-component fire resistant based on acrylic dispersion. It is a plastoelastic sealant which is slightly in tumescent above +120°C and suitable for fire resistant sealing of linear joints up to 4 hours.

## Key Performance Properties

- Tested according to AS1530.4 standards
- Up to 4 hours fire resistance
- Can be applied separately in joints up to 20 m m wide
- Pain table with most water based and synthetic paints
- Easy to apply and clean
- Joint movement up to 7%
- Non corrosive towards metals
- Available in white, grey and limestone
- Available in 300 ml cartridge or 600 ml sausage

## Application

Specially developed for fire resistant sealing of linear connection joints in gypsum and stony substrates.

## Specification

|                         |                   |                    |
|-------------------------|-------------------|--------------------|
| 100% Modulus            | N/mm <sup>2</sup> | 0,25MPa            |
| Application rate        | @ Ø3 mm/4 bar     | 580g/min           |
| Application temperature |                   | 5°C - 40°C         |
| Base                    |                   | Acrylic dispersion |
| Curing time             | @23°C / 50% RH    | 1mm / 24 hours     |
| Density                 |                   | 1,60 g/ml          |
| Elongation at break     |                   | 300%               |
| Fire Rating             |                   | AS1530.1           |
| Flow                    | ISO7390           | < 2mm              |
| Joint Movement          |                   | 7.50%              |
| Open time               | @23°C / 50% RH    | 5 - 10 minutes     |
| Shore A hardness        | DIN53505          | 20 Shore A         |
| Skin formation          | @23°C / 50% RH    | 6 minutes          |



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|                             |                   |                 |
|-----------------------------|-------------------|-----------------|
| Temperature resistance      |                   | -20°C til +75°C |
| Tensile strength (DIN53504) | N/mm <sup>2</sup> | 0,11 Mpa        |

**Directions**

A joint with the correct dimensions is able to absorb movement between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width till 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. Application temperature +5°C till +40°C (applies to environment and substrates). Tools to be cleaned after use with water. Hands can be cleaned with water and soap

**Surface Preparation**

All substrates must be solid, clean, dry, and free from grease and dust. Substrates to be cleaned from all loose particles, absorbent substrates do not require to be absolutely dry. Very porous substrates like: gypsum, aerated concrete, limestone, etc. need to be primed with an appropriate primer. Always test adhesion prior to application. Finish and with water.

**Paintability**

Only paintable after full curing of sealant. During curing product may show shrinkage, which can cause cracking of the paint. It is recommend to test compatibility with paint prior to application

**Packaging**

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

**Storage/Shelf Life**

In unopened original packaging between +5°C and +25°C, shelf life till 18 months after production date, stored in a dry place.

## GSA FIRE SEAL

**DO IT ONCE DO IT RIGHT****Health & Safety**

Product Health and Safety Data Sheet must be read and understood before use. These are available on request and at [www.campbellswholesale.com.au](http://www.campbellswholesale.com.au)

**Limitations**

Not suitable for continuous exposure to water.

**Disclaimer**

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