

FIREFLEX ACRYLIC FIRESTOP SEALANT



Description

Fireflex Acrylic Firestop Sealant is a water-based acrylic firestop sealant that provides movement capability for fire-rated joint applications. It has four hours fire rating under BS EN 1366-4: 2006. It is almost odour free and is not corrosive towards metals. After drying, it forms a tough elastic seal.

Specially formulated to be environmental friendly, it is able to comply with low VOC requirements. It also gives good primer-less adhesion on most substrates.

Features

- 4-hour fire rating
- $\pm 20\%$ Movement capability
- Bomba Fire Stop Certified
- Smoke, fume, and water resistant
- Easy clean up

Applicable Tests

- BS EN 1366-4:2006 Fire Resistance Tests
- AS 1530.4:2014 Methods for Fire Tests on Building Materials
- ASTM C920, Type S, Grade NS, Class 20, Use NT, M & A
- Low VOC - USEPA Method 24 under SCAQMD Rule 1168

Technical Data

Property	Value
Cure System	Water evaporation
Density	1.46 g/mL
Solid content	80 %
Maximum tensile <small>ASTM D412</small>	0.5 N/mm ²
Elongation <small>ASTM D412</small>	100%
Movement capability <small>ASTM C 719</small>	$\pm 20\%$
Shore A hardness <small>ASTM C661</small>	39
Low VOC compliance <small>SCAQMD Rule 1168</small>	Yes
VOC content <small>USEPA Method 24</small>	3.96 g/L
Application Temperature	5 °C – 40 °C
Service Temperature	1.03

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Applications

Cut nozzle at 45 Degree angle to desired bead width, and apply to substrate with sealant gun and tool within 5-10 minutes. Uncured sealant can be cleaned up with mineral turpentine. Some surfaces may need a primer. If so, allow primer to dry before applying sealant. Use approved backing material for joints over 10mm deep. For a neat appearance to the joint, use masking tape. Always remove masking tape before sealant has skinned over.

Surface preparation

Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water. For a neat finishing, use masking tape and remove it within the working time. For sealant designs with depth of over 10 mm, use approved backing materials.

Joint Design

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Minimum bead size should not be less than 3 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Packaging

300gm Cartridges - Available in cartons of 20.
Product Packed in Australia.

Storage/Shelf life

Store in a dry and cool place with temperature below 30 °C. (Do not store below 5 °C)
Shelf life of 24 months

Health and safety

Contains a mixture of CMIT/MIT. May produce an allergic reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. If eye irritation persists: Get medical advice. Keep out of reach of children. Safety data sheet available on request. For further health and safety information, consult the latest safety data sheet.

Limitations

Not recommended for following applications:

- Not recommended for continuous water emersion and not for PE, PP, Teflon and bituminous surfaces.
- Painting over with highly filled emulsion paints can cause cracks in paint film.
- Simseal Firecryl product complies with a minimum wall thickness requirement of 250mm. Our comprehensive report details the assessment conducted to establish the anticipated fire resistance level of linear gap sealing systems in masonry walls. This assessment was performed in accordance with the standards AS 1530.4:2014 for testing and AS 4072.1:2005 for evaluation.

Legal Notes

Every endeavor has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests

COLOURS



White



Grey



Red