

# SabreSeal™ FRA

SabreSeal FRA is a water-based acrylic fire retardent sealant that provides movement capability for fire-rated joint applications. In suitably designed joints, it has a fire rating of up to 4 hours according to AS1530.4:2014. SabreSeal FRA has the additional benefit of containing acoustic properties for sound deadening applications.

## Features

- Intumescent acrylic
- Up to 4 hours fire resistance according to AS1530.4
- Sealing of cables, pipes & ducts
- Acoustic properties for sound deadening
- Easy clean up



## Applicable Tests / Standards

- Tested in accordance with AS1530.4:2014 as appropriate. Please view the test certificate for specific joint configurations.
- Low VOC – USEPA Method 24 under SCAQMD Rule 1168.

## Technical Data

<b>Base</b>	Acrylic emulsion	
<b>Physical State</b>	Soft paste	
<b>Working Time</b>	<10 minutes (at 25 °C & 50% R.H.)	
<b>Colours</b>	White, Grey, Red	
<b>Application Temperature</b>	5 °C – 40 °C	
<b>Service Temperature</b>	-10 °C – 75 °C	
<b>Curing system</b>	Water evaporation	
<b>Density</b>	1.46 g/mL	
<b>Solid content</b>	80 %	
<b>Maximum tensile</b>	0.5 N/mm <sup>2</sup>	ASTM D412
<b>Elongation</b>	100%	ASTM D412
<b>Movement capability</b>	±20%	ASTM C 719
<b>Shore A hardness</b>	39	ASTM C661
<b>Low VOC compliance</b>	Yes	SCAQMD Rule 1168
<b>VOC content</b>	3.96 g/L	USEPA Method 24

## Application

Indoor joints with fire retardant requirements (wall and ceiling joints, perimeter sealing of fire rated doors and windows). It has good adhesion on most construction materials (concrete, bricks, painted wood, aluminum, etc.).

## 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.

## Application Direction

- 1** Surfaces must be clean, dry and free of dirt, grease, oil or water.
- 2** Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
- 3** For a neat finish, apply masking tape and remove it before sealant skins over.
- 4** Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
- 5** Tool the sealant within 10 minutes of extrusion before it skins.
- 6** Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
- 7** Uncured sealant can be cleaned up with damp cloth.

## 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.

## Clean Up

- Wet sealants can be cleaned up with water.
- Cured sealants can only be removed mechanically.



## Packaging

300ml/ cartridge (24 cartridges/ carton)

## Shelf Life

24 months

## Storage

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

## Limitations

- 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.

## Caution

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.

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