
	<b>ALSEAL MARKETING SDN. BHD.</b>		<b>Issued Date:</b> 14/08/15
	<b>Technical Data Sheet</b>		<b>Revision No.:</b> 2
	<b>AS-1001 Fire Retardant Sealant</b>		<b>Revised Date:</b> 20/08/15 <b>Page:</b> 1 Of 2

### **Product Specification:**

Basis	Acryl Emulsion
Appearance	White & Grey Paste
Flow (ISO 7390)	<2 mm
Density	1.65 g/mL
Frost Resistant till -15°C during Transport	No
Paintable after Curing	Yes
Solids	80 %
Joint Movement Capability	±10 %
Application Temperature	5°C to 40°C
Temperature Resistance after Curing	-20°C to 75°C
Shelf Life (5°C to 25°C)	12 months

### **Mechanical Properties (2mm Film):**

Shore A Hardness (DIN 53505)	50
100% Modulus (DIN 53504)	0.5 N/mm <sup>2</sup> (MPa)
Elongation at Break (DIN 53504)	350 %

### **Fire Rating Properties:**

Fire ratings up to 4 hours with PE backer rod (BS 476: Part 20: 1987).





### **Product Description:**

A one component, highly qualified, acrylic based firestop sealant that provides movement capability in fire rated joint applications. It will transfer into foam above 200°C and it complies to fire rating specification of BS 476:Part 20:1987. It is almost odor free and is not corrosive towards metals. After applications, it forms a tough plastic elastic rubber by evaporation of water from the sealant.

### **Applications:**

Especially for indoor joints where high demands are to be met as a fire resistant seal:

- Joints in fire retardant constructions in buildings, houses and ships.
- Perimeter pointing around door and window frames, concrete and brickwork.
- Joints between walls and ceilings.
- Joints around pipe and cable work.
- Joint dimensions do have effect on the fire retarding properties. The deeper the joints are sealed, the better the fire retarding properties.
- In general, it will show good adhesion without a primer on building materials like concrete, brickworks, painted wood, anodized aluminum and uPVC.

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### Directions:

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- For a neat finish, apply masking tape and remove it before sealant has skinned over.
- Use approved backing material for joints over 10mm deep and in order to prevent three side adhesions.
- Priming is not required unless surface to be bonded is in poor condition or exceptionally porous. A trial application is recommended to test adhesion before starting a project.
- Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
- Uncured sealant can be cleaned up with white spirits.

### Limitations:

- Among others not recommended for continuous water emersion and not for PE, PP, Teflon and bituminous surfaces.
- Painting over with highly filed emulsion paints can cause cracks in paint film.

### Joint Design:

Joint Dimensions	Width (mm)	Depth (mm)
Minimum Width	4	-
Maximum Width	25	-
Joint Connection	4 - 8	6
	10 - 12	8
	14 - 16	10
	18 - 20	12
	22 - 24	14

### Caution:

- Avoid contact with eyes, skin and mouth.
- In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention.
- Keep out of reach of children. Use in well ventilated areas.

### Storage:

- Store in a dry and cool place with temperature below +30°C.
- Use within 12 months from date of production.

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