

FIRE SEALANT

Intumescent Acrylic Sealant

Description of Product

Intumescent acrylic sealant is a low smoke, halogen free, water based sealant, which does not contain solvents and uses a chemical mechanism which produces only steam to intumesce. The intumescent reaction forms an inorganic crust which is unaffected by fire, but allows the sealant to intumesce up to 100% to prevent the passage of smoke or flames.

Fields of Application

FIRE SEALANT is designed for:

- Sealing joints, voids and irregular holes in fire walls, partitions and other structures and for maintaining their integrity when sealing pipes and cables that penetrate them
- Ideally suited for internal perimeter pointing of fire rated door and window frames

Features and Benefits

- Fire rated in both horizontal & vertical joints
- No priming required for most construction substrates
- Joint movement capability of $\pm 20\%$
- For use in joints up to 25 mm wide
- Halogen free
- Non slump, easy to apply and tool off
- Fast cure - tack free in 15 minutes
- Can be overpainted
- Excellent adhesion to most common construction substrates
- 12 month shelf life

Technical Data/Typical Properties

Composition	Water based acrylic emulsion polymer with inert fillers and fungicide.
Tack free time	15 - 60 minutes depending on temperature and humidity
Maximum movement (Butt joint)	7.5%
Maximum joint width	35mm
Slump	No slump up to 35mm joint width
Minimum elongation at break	150% (6mm bead)
Application temperature	Above +4°C
Temperature	-20°C to + 70°C (as a movement seal)
Painting	Overpaint if required after 1 hour
Intumescence	100%
Combustion toxicity	Independently tested to the Navel Engineering standard test (N.E.S. 71 issue 03). Average Toxicity Index Value - 0.44
Shelf life	One year when stored in accordance with manufacturer's recommendations.

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Application Procedure

Joint Depth in mm	Joint Width in mm						
	6	10	12	15	20	25	
6	9.0	5.3	4.5	3.5	2.6	2.1	
8	-	4.0	3.3	2.6	2.0	1.6	
10	-	3.2	2.6	2.1	1.6	1.3	
12	-	-	2.2	1.7	1.3	1.1	

Application

FIRE SEALANT is supplied ready for use. Cut off the conical tip of the plastic cartridge and screw on the separate plastic nozzle provided and trim to an angle to the size of the joint.

Load the cartridge into the FEB SKELETON GUN and extrude the sealant directly into the joint.

After application, smooth and compress the sealant into the joint by using a pallet knife or similar tool, moistened with water.

For neat finishes, cover the face edge of the joint with masking tape prior to application of the sealant and remove immediately after sealing work has been completed.

Overpainting

FIRE SEALANT can normally be overpainted with emulsion paint after 2 hours and with oil based paints after 5 hours.

Priming

Priming is not required for most cases, but for very dirty, friable surfaces, thin down sealant with 2 parts clean water and generously apply by brush to the joint faces, allowing to soak in.

Cleaning

Tools and equipment should be cleaned in warm soapy water immediately after use.

Packaging

Standard plastic 310ml cartridges with separate plastic nozzles.

Storage

FIRE SEALANT should be stored in cool, dry conditions.

Shelf Life

Shelf life in original sealed cartridges is 12 months. Protect from frost.

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Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Solvent Based Products

Use in well ventilated areas; avoid inhaling. Suitable respiratory equipment may be needed, eg when spraying. Can cause skin, eye irritation. Wear protective eye shields and gloves during use. Do not smoke or allow sparks or naked lights when stored or in use.

Powder Products

Should be handled to minimise dust formation; use light mask if excessive dust unavoidable. Cement powders when wet or moistened can cause burns to skin and eyes which should be protected during use.

Resin Products

Can cause irritation, dermatitis or allergic reaction. Use protective equipment particularly for skin and eyes. Use only in well ventilated areas.

Spillage

Chemical products can cause damage; clean spillage immediately.

Disclaimer:

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