

AVIMASTIC

Intumescent Acrylic Sealant

Product Name

AVIMASTIC is a high performance elastomeric acrylic intumescent sealant. It is a high solid specially compounded to provide exceptional adhesive and elastomeric properties for a high fire stopping sealant requirement for sealing joint in walls, floors and ceiling, to seal around architraves and frames, to seal penetrating cables and duct through walls and floors.

AVIMASTIC is also used as acoustical sealant to prevent sound transmission through unprotected opening.

Properties

A medium viscosity paste containing acrylic emulsion, specialized inert fillers and fungicide. Can be used internally or externally.

- Maximum joint width 35mm
- Optimum performance 1 to 2
Depth to width ratio
- Colors Available: standard color red, white, others available to special order
- Can be over painted
- Toxicity NES 715 issue 3,
Average Toxicity Index Value – 0.44
- Tack free time - 15-50 mins depending on temperature/humidity. Class 1, Class O
- Thixotropic through curing time at 20°C - 20 days for 20mm depth
- Packing: 310 ml cartridge or 600ml sausage

Performance

Tested at Warrington Fire Research to BS 476 Part 20, Class 1, Class O

4 hours fire integrity

Safety Benefits:

- One-part intumescent acrylic sealant
- Swells in a fire to give a smoke and fire resistant seal
- Halogen and solvent free
- Resistant to fungus, mold
- Fire rated up to 4 hours (depending on joint design) used for sealing penetration and joints in smoke or sound related partitions.

Intumastic Acrylic Sealant is high quality fire rated sealant.

Characteristics

- Can be used to seal joints in floors, walls and ceilings
- Can be used to seal round door architraves and frames
- Can be used to seal fire rated duct work, to seal around penetrating cables and cable trays and pipe and in wall and floor openings
- Joint movement capability +/- 10%
- Bonds to brick, plaster, concrete, wood, metal and painted surfaces
- Give up to 4 hours integrity

Benefits

- Fully tested to 4 hours fire protection using either mineral wool or PE backing rods.
- No smoke, halogen free
- NES 715 issue tested for low toxicity of 0.44 ATIV (Average Toxicity Index Value)

Legislation

Compartment walls and floors must maintain the appropriate level of fire resistance as laid down by Building Regulations Approved Document B 1991. Movement joints in walls, floors and joints at the head of walls need a product that can provide movement and at the same time provide up to 4 hours integrity for penetration through walls and walls and insulation. Avimastic satisfies all these requirements.

Manufactured under ISO 9001:2008 Quality System.

Application

All surfaces of the openings and of the penetrating item must be clean, dry and free from dirt, grease and loose particles, remove nozzle and cut to the required diameter, cut off cartridge tip and screw on nozzle. Ensure that the sealant is forced into the joint so that full contact is made with joint surfaces and penetrant surface. The opening surface to achieve the required width and depth flush with the surface of the substrate, or as per details as listed in the test approval of the assembly and rating that is required. Use joint backing rod to control sealant depth and assist in correct joint design. Smooth with wet tooling knife. Surrounding areas may be masked off to protect / prevent contamination.

Material Requirement:

Use the following formula to determine number of cartridges required –

$$\frac{\text{Gap Width (mm)} \times \text{Depth (mm)} \times \text{Total Length (m)}}{310} = \text{No. of cartridges}$$

or

$$\frac{\text{Gap Width (mm)} \times \text{Depth (mm)} \times \text{Total Length (m)}}{600} = \text{No. of sausages}$$

Specification

Install Avimastic (colour) fire seals in full accordance with manufacturer's instructions.

Health and Safety

- Keep out of reach of children
- Avoid contact with skin and eyes
- Wash hands after use
- Do not ingest
- Safety Data Sheet available on request.

Storage

Store between 5°C and 25°C
Shelf Life: 12 months
Protect from frost.

Maintenance:

Routine inspection recommended to ensure no damage.
No maintenance required after installation.

Manufactured under ISO 9001:2008 Quality System