



StoneShield Intumescent Mastic

Overview

StoneShield Intumescent Mastic is a high-performance, fire-rated sealant designed to expand when exposed to heat, forming a robust, insulating char barrier that slows the spread of flame, smoke, and gases. It is ideal for sealing linear joints and around service penetrations in fire-rated walls and floors.

Key Features

- Expands when exposed to fire
- Maintains fire integrity of walls and floors
- Flexible, paintable finish
- Halogen-free and low VOC
- Easy application via standard caulking gun
- Adheres to concrete, gypsum, metal, plastics, and cables

Technical Specifications

Property	Specification
Base Material	Acrylic copolymer
Colour	White / Grey
Density	Approx. 1.55 g/cm ³
Expansion Ratio	Up to 4x original volume
Fire Rating	Up to 4 hours (tested to EN 1366-4)
Movement Capability	±12.5% (ISO 11600)
Application Temperature	+5°C to +40°C
Service Temperature	-20°C to +70°C (ambient)
Curing Time (23°C, 50% RH)	Skin forms: ~15 min; Fully cures: ~24 hr
Shelf Life	18 months (stored unopened, cool & dry)

Applications

- Sealing service penetrations (pipes, cables, ducts)
- Linear gap joints between walls/floors and partitions
- Fire-rated plasterboard, masonry, and concrete systems
- Use in compartmentation systems for passive fire protection

Compliance & Certifications

- Tested to EN 1366-3 & EN 1366-4
- CE Marked (ETA available)
- RoHS & REACH Compliant

- Classified to EN 13501-2: EI120 (when used as per system design)

Packaging Information

Format	Details
Cartridge	310 ml (standard tube)
Foil Sausage	600 ml
Colour Options	White / Grey
Box Quantity	12 cartridges / box
Pallet Quantity	1,200 cartridges

Installation Guidelines

1. Ensure all surfaces are clean, dry, and free of dust, grease, or contaminants.
2. Cut nozzle at desired bead size and insert cartridge into applicator gun.
3. Apply evenly into the joint or around the service.
4. Tool within 5–10 minutes to smooth surface and ensure full contact.
5. Allow to cure. Protect from water and mechanical stress until dry.

Safety & Handling

- Non-hazardous under normal use
- Use in ventilated areas
- Avoid contact with eyes or prolonged skin exposure
- Refer to SDS for full safety details

Contact & Support

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