

Flammadur® A109

Intumescent Acrylic Sealant



Flammadur® A109, Intumescent Acrylic Sealant, is a plastic one-component sealant (acrylic based dispersion). It expands when exposed to fire helping to protect combustible and non-combustible constructions for up to 4 hours. (see FPT systems summary or go to www.flammadur.com).

Industry Qualifications:

- ASTM E814 (ANSI/UL 1479), Fire Tests of Through-Penetration Firestops
- UL C-S115, Standard Method of Fire Tests of Firestop Systems

Made In Germany



Features:

- plastic sealant (acrylic based dispersion)
- expands up to 3-5 times its original volume when exposed to fire, starting at temperatures above 120°C.
- cross-links by drying out
- weather resistant
- excellent aging resistance
- good UV resistance
- smoke, gas, and water resistant
- High fire rating properties
- silicone-free
- solvent-free (water based)
- halogen-free, asbestos-free
- water based, easy to clean

Application and Use:

Penetration barriers in feed-through in walls, ceilings, floors, for mechanical pipes (metal, plastic and composition), single and grouped electrical cables (insulated and otherwise), cable trays, conduits, HVAC-ducts, computer and telecommunication cables, instrumentation cables, switching and shunting conductors.

Fields of Application

- Penetrating Items: Metallic pipes, insulated pipes, plastic pipes, glass pipes, ducts, cables, and busways.
- Types of Assembly being penetrated: Floor and wall installations in concrete, masonry, dry-wall and wood floors.

Preparation and Installation:

Substrate Treatment:

- The substrate must be dry, clean and free from dust, oil and grease.
- Porous substrates, e.g., concrete and untreated wood are to be pre-treated with a diluted sealant (Flammadur Acrylic Firestop Sealant with water in a ratio of 1:1 to 1:5)(=primer application).
- Before applying primer remove cement grouts, release agents and (oil)-coatings/-impregnations.

Tooling:

- The sealant can be tooled with water or suitable tooling liquid.

Maintenance :

- No maintenance of the penetration seal is required.

Properties	Values
Density	app. 1.5 g/cm ³
Slump	= 2 mm
Skin forming 20°C/ 50% rel. humidity	app. 20 min.
Shore A hardness	app. 35 units
Application temperature	+5°C to +40°C (41°F to 109°F)
Temperature resistance	-25°C to +80°C
Intumesces at 250°F (120°C)	up to 5 times
Shell life	18 months
Curing time	app. 20 days
Color	red




Fire Protection Technologies, Inc.

Flammadur® A109 is available

Cartridge	300 ml (10.1 fl oz)	No. 40004
Sausage	600 ml (20.2 fl oz)	No. 40005
Pail	5 US gallon	No. 40006

Products and Technical Assistance available from

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Warranty:

The information provided is based upon typical installation conditions and tests Fire Protection Technologies, Inc. believes to be reliable. However, due to a wide variety of possible use conditions, the manufacturer and distributor does not guarantee that typical values expressed will necessarily be obtained. THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY. Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. NEITHER SELLER, DISTRIBUTOR, OR MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS, OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. Before using, user shall determine the suitability of the product of their intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation not contained herein shall have any force or effect unless in an agreement signed by officers of the manufacturer, or distributor.