



FP 310 Intumescent Acoustic Acrylic

FIRE RETARDANT INTUMESCENT SEALANT

ADVANTAGES

- CE-marked
- Excellent application and finishing
- Up to 4-hour fire resistance
- Very high sound insulation
- Low emissions - environmentally and user friendly

PRODUCT

Bostik FP 310 Intumescent Acoustic Acrylic is a fire rated single component acrylic sealant specially designed for fire sealing. Bostik FP 310 Intumescent Acoustic Acrylic expands when heated and produces an efficient seal against fire, smoke and gas.

When subjected to atmospheric conditions, the sealant cures and will retain a degree of elasticity for joint movement. Thermal activation takes place at approx. 180°C when the material will expand. Under fire exposure, Bostik FP 310 Intumescent Acoustic Acrylic creates a robust fire seal by the formation of a durable intumescent char and prevent the passage of fire and smoke for periods up to 4 hours.

Bostik FP 310 Intumescent Acoustic Acrylic offers a very good sound insulation.

APPLICATIONS

Bostik FP 310 Intumescent Acoustic Acrylic is designed to prevent the spread of fire and smoke through joints and openings in fire rated walls and floors including openings formed around building service penetrations. Bostik FP 310 Intumescent Acoustic Acrylic will also maintain the acoustic design performance in walls and floors. Suitable for most surfaces, included concrete, masonry, steel, gypsum board, plastics and most non-porous surfaces.

The product can be applied in combination with, for example, Bostik FP 330 Pipe Collars, Bostik 340 Pipe Wraps and Bostik FP 320 Fire Batts.

FEATURES

- Certified to the latest European standards EN 1366-3 and EN 1366-4
- CE Marked to ETAG 026 part 2 & 3
- Fire resistance up to 4 hour
- Joint movement up to 12,5%
- Easy to apply with a smooth surface finish
- Paintable with most water based and alkyd paints



- Easy to clean
- Hardens quickly, tack free after 1 hour
- A+ French VOC Regulation
- Complies with requirements of M1 Protocol
- Emission EC1Plus
- 18 months storage time (under correct conditions)

METHOD OF USE

Before applying Bostik FP 310 Intumescent Acrylic ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease. When installing the sealant in gypsum boards, the exposed edges of the board can be wetted with water, or Bostik FP 310 Intumescent Acrylic diluted with water to prime the surfaces helping adhesion and preventing excessive joint shrinkage.

Bostik FP 310 Intumescent Acrylic can be used with a suitable filling material i.e. stone wool or Bostik backing material in order to secure correct width to depth ratio, and to reduce the shrinking of the sealant during curing. When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved (minimum depths and maximum width of joints are included in the installation instructions). Fill the gap or joint with Bostik FP 310 Intumescent Acrylic to the required depth. Apply the sealant generously to prevent air bubbles. Finish the seal with a moist spatula or brush. Bostik FP 310 Intumescent Acrylic can be over-painted with most water based and alkyd paints.

Tools should be cleaned after use with water. Hands can be cleaned with water and soap.

Before application consult the installation instructions and ETAs to ensure to achieve the intended fire resistance.

SOUND INSULATION

Single sided seal ≥ 12 mm depth: Rw 62 dB

Double sided seal ≥ 12 mm depth: Rw > 62 dB

Bostik FP 310 Intumescent Acoustic Acrylic has been tested according to EN ISO 10140-2:2010. Usage of any backing material is optional, due to the tests being conducted with sealant only.

LIMITATIONS

- Suitable for use with most materials, but should not be used in direct contact with bituminous materials.
- Suitable for single service penetrations only
- Should not be used in permanently damp areas.
- Should not be used in joints with high movement.
- As Bostik FP 310 Intumescent Acoustic Acrylic is water based, in cases where corrosion protection is a problem; some metals may require a barrier between the sealant and the metal surface prior to this installation.

STORAGE STABILITY

Store in unopened packaging in dry conditions between +5 and +30 °C. Shelf life 18 months after production. Has a limited shelf life once the cartridge has been opened.

FURTHER INFORMATION

Available on request:

- Material safety data sheet
- Installation Instructions Bostik FP 310 Intumescent Acoustic Acrylic
- ETA 19/0396 & ETA 19/0397

Technical data	
Base	Acrylic dispersion
Application temperature	+5°C to +30°C
Flash point	None
Reaction to fire	Class D-s1, d1
Density	1.58 g/ml
Tack free	Max. 75 minutes
Skin formation	Max. 25 minutes
Curing time	3 to 5 days depending on thickness and temperature
Expansion rate	1 : 2-3
Joint movement	12.5% (ISO 11600)
Durability	Z2 intended for use in internal conditions with humidity classes other than Z1, excluding temperatures below 0°C
Packaging	Cartridge 310 ml
Colour	White (RAL 9002)
Article number	30614486
Packed per	12 cartridges
Pallet quantity	1248

BOSTIK HOTLINE

Smart help + 31(0)736244244



Bostik BV

De voerman 8
5215 MH 's-Hertogenbosch
T: +31 (0) 736244244
www.bostik.nl

Bostik Belux SA - NV

Meulestedekaai 86
B-900 Gent
T: +32 (0) 92551717
www.bostik.be

Bostik Ltd

Common Road, Stafford
ST16 3EH
T: +44 (0) 1785 272625
www.bostik.co.uk

Bostik Industries Ltd.

Newton
Swords, Co. Dublin
T: +353 (1) 8624900
www.bostik.ie