



# FP 311 Intumescent Graphite

## FIRE RETARDANT INTUMESCENT SEALING COMPOUND

### ADVANTAGES

- CE-marked
- Easy to apply
- Up to 4-hour fire resistance
- High sound insulation
- Low emission – environmentally and user friendly

### PRODUCT

Bostik FP 311 Intumescent Graphite is a high specification formulation designed to prevent the spread of fire, smoke and gasses through openings in fire rated walls and floors.

Bostik FP 311 Intumescent Graphite is a single component, waterbased, fire retardant sealing compound which contains a high concentration of heat expanding graphite material. Bostik FP 311 Intumescent Graphite expands when it is subjected to fire and closes openings around combustible pipes (e.g. PVC) or metal pipes fitted with combustible insulation. Thermal activation takes place at 150°C when the material will intumesce to prevent the spread of fire, smoke and gases through openings up to 4 hours.

Bostik FP 311 Intumescent Graphite offers a very good sound insulation.

### APPLICATIONS

Bostik FP 311 Intumescent Graphite is designed to close off large voids left by plastic pipes and combustible insulation as they melt and burn gaps and fire seal difficult services which traditional fire rated mastics do not achieve. Bostik FP 311 Intumescent Graphite can be used with a suitable filling material, i.e. stone wool or Bostik backing material in order to ensure the correct width to depth ratio and to reduce the shrinkage of the sealant during curing.

### FEATURES

- Certified to the latest European standards EN 1366-3
- CE Marked to ETAG 026 part 2
- Classified in most constructions for plastic pipes and cables
- Suitable for most surfaces, included concrete, bricks, steel, wood, gypsum, PVC and most non-porous surfaces
- No priming necessary for application to most materials
- Fire resistance up to 4 hour
- High sound insulation



- Easy to apply
- Fast curing, tack free after 1 hour
- Paintable with most water based and alkyd paints
- Complies with requirements of M1 Protocol
- Emission EC1Plus
- A+ French VOC Regulation
- 18 months storage time (under correct conditions)

### METHOD OF USE

Before applying Bostik FP 311 Intumescent Graphite ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease. When installing any backing material, cut this slightly oversize and insert into the gap ensuring a tight friction fit. Ensure correct depth is achieved. Fill the gap or joint with Bostik FP 311 Intumescent Graphite to the required depth. Apply the sealant generously avoiding air bubbles. Finish the bead with a moist spatula or pallet knife. Avoid excessive tooling/smoothing as this may make the seal surface wet and soft.

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

## SOUND INSULATION

Single sided seal  $\geq 25\text{mm}$  depth  $R_w$  53 dB

Double sided seal  $\geq 25\text{mm}$  depth  $> R_w$  53 dB

Bostik FP 311 Intumescent Graphite 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.
- Should not be used in joints at floor level or joints below the ground.
- As Bostik FP 311 Intumescent Graphite 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 311 Intumescent Graphite
- ETA 19/0395

## Technical data

Base	Water based graphite filler
Application temperature	+4°C to +30°C
Density	Approx. 1.55 g/ml
Flash point	None
Tack free	Max. 60 minutes
Skin formation	Max. 30 minutes
Curing time	3 to 5 days depending on thickness and temperature
Expansion rate	1 : 16
Movement capability	12.5% (ISO 11600)
Durability	Class Z2
Packaging	Cartridge 310 ml
Colour	Anthracite
Article number	30614867
Packed per	12 cartridges
Pallet quantity	1248

## Smart help



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