



FR Acrylic Mastic

For Sealing Low Movement Construction Joints and Penetrating Services

Technical Data Sheet

Product Description

Abesco Intumescent Acrylic sealant is used to prevent the spread of fire and smoke from one compartment to another through joints and gaps in fire separating walls and floors.

It is available in 310ml cartridges as standard and is applied with a conventional caulking gun.

It is ideal for gap filling around penetrations, bedding fire collars, sealing around fire doors and low movement (10%) construction joints. Intumescent Acrylic can be used to seal gaps up to 60mm width. It can also be used to firestop plastic pipes up to 42mm Ø without the use of a fire collar or pipe wrap.

Under fire conditions Abesco Intumescent Acrylic expands forming a carbonaceous char which provides an insulating barrier against fire and smoke. Abesco Intumescent Acrylic is a low smoke, non-toxic formulation and can be over-painted with most water-based coatings.

Fire Performance Table

Construction	Insulation	Integrity
Linear Gaps up to 60mm	*	Up to 240 mins
Penetrating Services	N/A	Up to 240 mins
uPVC Pipes up to 42mm Ø	120 mins	Up to 240 mins

* Depending on material substrate type

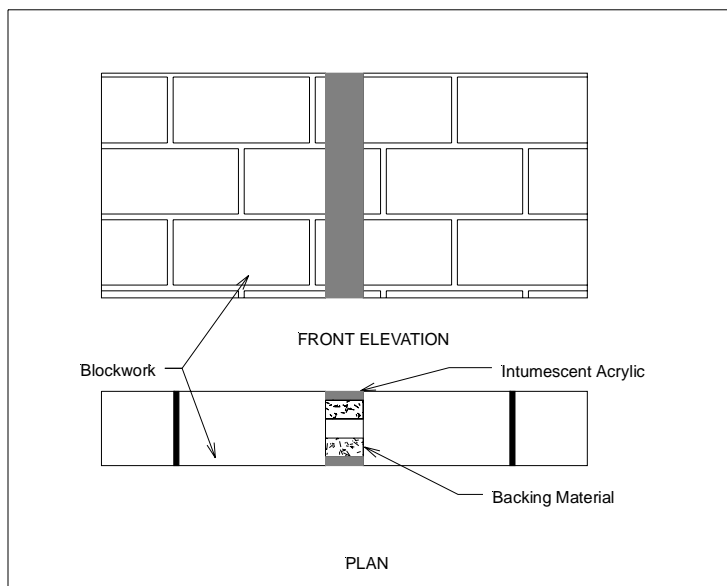
Test Standards

Tested in accordance with the methodology and criteria described in:-

- BS 476 part 20:1987
- BS EN 1366-3: 2004
- SABS 0177 Part 2 (1991)
- NS EN 1363-1
- NF EN 1366-3
- NF EN 1363-1
- NF EN 1363-2

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Typical Detail for Construction Joints



Installation Instructions

Construction Joints

- 1 The joint surfaces must be clean and dry. Remove any debris and dust and ensure non-porous surfaces are degreased.
- 2 Where a neat finish is required mask the edges of the joint.
- 3 Set backing material to required depth. Generally, the width to depth ratio should be approximately 2:1 with a minimum depth of 12mm.
- 4 Extrude sealant firmly into the gap to avoid trapping air. Smooth sealant with a wet spatula.
- 5 Remove any masking tape whilst sealant is soft.

Penetration Seals

- 1 Ensure the annular space around the services are free from debris and contaminants.
- 2 Install backing material if required.
- 3 Cut the sealant nozzle to suit the gap size.
- 4 Extrude the sealant into the annular space, ensuring a minimum depth of 12mm. Use a thin tool such as a spatula to compress sealant into narrow gaps.
- 5 Ensure there is adequate adhesion between the service and the surrounding substrate, and there are no air gaps in the bead. Smooth bead whilst still soft.

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