



Fire & Acoustic Seals FR Intumescent and Acoustic Acrylic Sealant is a halogen free, polymer emulsion based sealant that swells when subjected to temperatures in excess of 125°C and forms a char coat that restricts the passage of smoke and fire. It is easily applied and dries to a flexible and smooth surfaced material which is readily over paintable. It has excellent adhesion to a wide range of substrates and will not harden or crack with age.

Certifire Approved CF5840



## SPECIFICATION COMPLIANCE

Test Element	Standard	Test Body
Fire	BS EN 1366-3: 2004 + BS EN1366-4:2006	WarringtonFire
Fire	BS 476 Part 20/22: 1987	Exova BM TRADA
Fire	BS 476 Part 20: 1987	WarringtonFire
Fire	BS EN 1634-1: 2014 + A1: 2018	Cambridge Fire Research
Sound Reduction	BS EN ISO 140-3: 1995	University of Salford
Sound Reduction	BS EN ISO 10140-2: 2010	Exova BM TRADA

Fire & Acoustic Seals FR Intumescent and Acoustic Acrylic Sealant is Certifire Approved, reference CF5840.

## APPLICATIONS

Fire & Acoustic Seals Ltd FR Intumescent and Acoustic Acrylic Sealant forms a fire and smoke seal in joints up to 35mm wide without slumping. It is ideal for sealing joints in and around internal partitions, lap joints in fire-rated cladding and for sealing between fire doors and fire-rated walls. It is recommended that a sealant depth of at least 8 mm be applied.

If the sealant is to be overpainted, building regulations may require a fire resistant coating.

Wall Installations min. 78mm thick with FD30 doorsets (architraves optional)					
Wall Type	Door Frame Substrate	Minimum Seal Depth	Maximum Joint Width	Backing Material	Integrity (mins)
Masonry	Softwood	10mm sealant both faces	25mm	Min 100mm Fire & Acoustic Seals 'Fire Door Foam' or Stone Mineral Wool Insulation  Joint widths up to 5mm do not require any backing material	30
Plasterboard faced timber stud wall	Softwood				30
Plasterboard faced steel stud wall	Softwood				30
Masonry	MDF				30
Plasterboard faced timber stud wall	MDF				30
Plasterboard faced steel stud wall	MDF				30
Masonry	Hardwood				30
Plasterboard faced timber stud wall	Hardwood				30
Plasterboard faced steel stud wall	Hardwood				30
Application technique		For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed,			

**Wall Installations min. 119mm thick with FD60 doorsets (architraves optional)**

Wall Type	Door Frame Substrate	Minimum Seal Depth	Maximum Joint Width	Backing Material	Integrity (mins)
Masonry	Hardwood	10mm sealant both faces	25mm	Min 100mm Fire & Acoustic Seals 'Fire Door Foam' or Stone Mineral Wool Insulation Joint widths up to 5mm do not require any backing material	60
Plasterboard faced timber stud wall	Hardwood				60
Plasterboard faced steel stud wall	Hardwood				60
Application technique		For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed,			

**Wall Installations min. 130mm thick with FD90 doorsets (architraves optional)**

Wall Type	Door Frame Substrate	Minimum Seal Depth	Maximum Joint Width	Backing Material	Integrity (mins)
Masonry	Hardwood	10mm sealant both faces	25mm	Min 110mm Fire & Acoustic Seals 'Fire Door Foam' or Stone Mineral Wool Insulation	90
Plasterboard faced timber stud wall	Hardwood				90
Plasterboard faced steel stud wall	Hardwood				90
Application technique		For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed,			

**Wall Installations min. 130mm thick with FD120 doorsets (architraves optional)**

Wall Type	Door Frame Substrate	Minimum Seal Depth	Maximum Joint Width	Backing Material	Integrity (mins)
Masonry	Hardwood	10mm sealant both faces	25mm	Min 110mm Fire & Acoustic Seals 'Fire Door Foam' or Stone Mineral Wool Insulation	120
Timber Stud	Hardwood				120
Steel Stud	Hardwood				120
Application technique		For good adhesion the surfaces of the building element shall be free of any dust or grease and be suitably primed,			

## LIMITATIONS

Fire & Acoustic Seals FR Intumescent and Acoustic Acrylic Sealant is not suitable in joints where movement exceeds  $\pm 12.5\%$  of joint width, or in external joints.

## TECHNICAL DETAILS

Movement Accommodation:  $\pm 12.5\%$  Conforms to ISO 11600 12.5P Skinning Time: 15 mins to 1 hour depending on conditions. Cure time: 5 to 15 days for 15mm X 20mm bead. Hardness Shore A: 25 - 30 Temperature Resistance: -20oC to +60oC (intermittent) Paintability: With most paints. Application Temperature: +5oC to 40oC Cleaning: Uncured sealant with water. Shelf Life: Min. 18 months when stored in unopened containers as recommended. Specific Gravity: 1.60 - 1.64.

## APPLICATION INSTRUCTIONS

To achieve a high quality joint, clean all surfaces, remove dust and ensure surfaces are dry. Non porous surfaces should be degreased using a suitable degreasing agent. Highly porous surfaces should be sealed with a suitable primer. Apply masking tape to each side of joint and gun sealant firmly into joint, smoothing off with a wetted spatula. Masking tape should be removed within 10 minutes of application.

## COVERAGE

1 tube is sufficient to produce approx. 1m using a 20mm x 15mm bead.

## AVAILABLE PACK SIZES

Available in: - 310ml Cartridges and 600ml Foil Packs.

## COLOURS

Available in: - white and brown.

## STORAGE

Store in cool dry conditions. PROTECT FROM FROST.

## HEALTH AND SAFETY

Fire & Acoustic Seals FR Intumescent and Acoustic Acrylic Sealant presents no known health hazards when used as recommended. Consult Health and Safety data sheet for further information. As with all chemical product, care should be taken during use and storage to avoid contact with foodstuffs, skin, eyes and mouth. If accidentally ingested, seek medical attention do not induce vomiting and give copious amounts of water to drink. KEEP AWAY FROM CHILDREN AND ANIMALS.

## FURTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.