

# Fire Door Intumescent Acrylic Sealant

## Product Data

Technical Properties	
Basis	Acrylic dispersion
Consistency	Paste
Curing system	Physical drying
Skin formation* (23°C/50% R.H.)	Ca. 20 min
Density	Ca. 1,57 g/ml
Maximum allowed distortion (ISO 11600)	Ca. 12.5%
Temperature resistance**	-20 °C → 80 °C
Application temperature	5 °C → 30 °C
Shrinkage after curing	Ca. 15% (DIN 52451)
Fire resistance (BS EN 1634-1 & BS 476 Part: 20/22)	≤ 120 min
VOC Gold Standard	A+
EMICODE	EC1 Plus



\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

\*\* This information relates to fully cured product. This value is dependent on the joint/penetration seal configuration and the joint/penetration seal dimensions.

## Product Description

Fire and Acoustic Seals Fire Door Intumescent Acrylic Sealant is a halogen free, polymer emulsion-based sealant that swells to form a fire and smoke seal when exposed to temperatures above 125°C. It's ideal for sealing joints between fire doors and fire-rated walls.

It will perform without backing below 5mm and up to 25mm with suitable fire-rated backing - refer to the installation guide for details.

## Characteristics

- ✓ Prevents the passage of fire and smoke
- ✓ 60 minutes fire-rated
- ✓ Up to 120 minutes fire-ratings with Fire & Acoustic Seals Fire Door Foam™ or stone mineral wool insulation
- ✓ Seals joints of up to 35mm without slumping
- ✓ Seals joints up to 25mm with backing, and without for gaps below 5mm
- ✓ Specially tested with fire-rated timber doorsets
- ✓ Available in white, grey, brown and orange
- ✓ 12.5% joint movement capability
- ✓ Fully compliant with British and European standards:
  - BS 476: Part 20 & 22 1987
  - BS EN 1634-1: 2014
  - BS EN ISO 10140-2:2010.

## Applications

- Installation of fireproof doors and windows.
- Sealing of fire-retardant joint between fire door frames and walls.

## Application Considerations

- This sealant is not suitable in joints where movement exceeds +/- 12.5% of joint width.
- We recommend that the sealant depth applied is at least 10mm.
- For best results apply to clean, dust free and dry surfaces. Degrease non-porous surfaces and seal porous surfaces with a suitable primer.
- A 310ml cartridge will produce approximately 1m using a 20mm x 15mm bead.
- Skinning time: 15 minutes to 1 hour depending on conditions. Cure time: 5 to 15 days for 15mm x 20mm bead.
- Suitable for most paints when cured although a fire-resistant coating may be required to meet building regulations.
- This is for internal application and not to be used externally.
- For further installation information refer to the installation guide.

## Packaging

- 310ml recycled plastic cartridges
- 600ml sausage foil packs

## Shelf Life

18 months if stored in accordance with storage guidance.

## Storage & Disposal

Cartridges or foil sausages can be stored for at least 18 months from the production date when stored in a cool dry environment, in original unopened containers, and at temperatures between 2°C and 30°C. Do not allow to freeze. These products should not be left in an over-heated environment, in temperatures above +50°C or exposed to direct sunlight.

## Maintenance

Recorded inspection should be conducted in line with the maintenance and inspection schedule that is defined for the building or project. These should be conducted and recorded by competent individuals.

Where product is damaged or tampered, new product should be installed with the installation guidance.

## Test Certification

Fire Rating	Test Standard	Report Reference	Certification Body
FD30	BS 476: Part 20/22: 1987	WF405307	Exova BM Trada
FD30	BS 476: Part 20/22: 1987	WF413375	WarringtonFire
FD120	BS EN 1634-1 2014 + A1: 2018	CFR1911291	Cambridge Fire Research
FD60	BS EN 1634-1 2014 + A1: 2018	WF429152	WarringtonFire
N/A	Certifire Certificate	CF5840	WarringtonFire

Acoustic tested to 55Db in accordance with BS EN ISO 10140-2 : 2010 - Reference 2612-76, University of Salford

## Health and Safety

- This sealant presents no known health hazards when used and handled safely as recommended.
- Provide adequate ventilation during application and drying, preferably through local exhaust ventilation.
- Refer to the Material Safety Data Sheet for more information.



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