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 ofsubstrates.

** 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, in and around partitions, and lap joints in fire-rated cladding.

It will perform without backing below 5mm and up to 25mm with suitable fire-rated backing, achieving fire ratings of up to 4 hours in certain joint configurations.

Characteristics

- ✔ Prevents the passage of fire and smoke
- ✔ 60 minutes fire-rated in joints
- ✔ 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 and brown
- ✔ 12.5% joint movement capability
- ✔ Fully compliant with British and European standards:
  BS 476: Part 20 & 22 1987
  BS EN 1634-1: 2014
- ✔ Made in the UK

Applications

- Installation of fireproof doors and windows.
- Sealing of fire-retardant joint in partition walls, cladding, and 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 plastic cartridges
- 600ml sausage foil packs

Storage & Shelf Life

- Store in cool dry conditions and protect from frost. Upright storage is recommended.
- Minimum 18 months shelf life when stored in unopened containers.

Test Certification

Fire Rating	Test Standard	Report Reference	Certification Body
4 hours	BS EN 1366-3: 2004 + BS EN 1366-4 2006	WF166576	WarringtonFire
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
55Db-Rw	BS EN ISO 10140-2: 2010	2612-76	University of Salford
N/A	Certifire Certificate	CF5840	WarringtonFire

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 Health and Safety Data Sheet for more information.