

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
- ✓ CCPI Assessed - 015700190/1227
- ✓ 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.

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.

Test Certification

Product Type	Fire Rating	Test Standard	Report Reference	Certification Body
Fire-rated Timber Doorset	FD30	BS 476: Part 20/22: 1987	WF405307	Warringtonfire
		BS 476: Part 20/22: 1987	WF413375	Warringtonfire
		BS 476: Part 20/22: 1987	WF433832	Warringtonfire
		BS 476: Part 20/22: 1987	WF540198	Warringtonfire
		BS EN 1634-1 & BS EN 1363-1	WF429152	Warringtonfire
		BS EN 1634-1 & BS EN 1363-1	WF557468	Warringtonfire
	FD60	BS 476: Part 20/22: 1987	WF532596	Warringtonfire
		BS 476: Part 20/22: 1987	WF532601	Warringtonfire
		BS EN 1634-1 & BS EN 1363-1	WF538104	Warringtonfire
	FD90/120	BS EN 1634-1 & BS EN 1363-1	CFR1911291	Cambridge Fire Research
Fire-rated Timber Glazed screen inc. Timber Doorsets	FD30	BS 476: Part 20/22: 1987	WF411193	Warringtonfire
		BS 476: Part 20/22: 1987	WF405307	Warringtonfire
	FD60	BS 476: Part 22: 1987	CFR1908301	Cambridge Fire Research
GRP – Composite Doorset	FD30	BS 476: Part 20/22: 1987	WF547407	Warringtonfire
Acoustic Rating		Test Standard	Report Reference	Certification Body
55dB Rw		BS EN 10140-2: 2010	2612-76	University of Salford
36dB Rw		EN ISO 10140-1: 2016	WYC528972	Warringtonfire
		EN ISO 10140-2: 2010		
		EN ISO 717-1: 2013		

Certifire Certificate - CF5839.

CCPI Assessed

Our FAS Fire Door Intumescent Acrylic Sealant has met the rigorous standards of the Code for Construction Product Information which ensures our product information is:

- ✓ Clear and unambiguous
- ✓ Accurate and evidence-based
- ✓ Accessible and easy to understand
- ✓ Up-to-date and well-maintained



Product Training

Visit our **Learning Hub** to access our training courses which are designed to help you make informed decisions and ensure the compliant installation of our fire safety-critical products on every project.



Industry Partners & Certification



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