

Fire Door Silicone Sealant

Product Data

Technical Properties	
Basis	Silicone dispersion
Consistency	Paste
Curing system	Physical drying
Skin formation* (23°C/50% R.H.)	Approx. 10-15 minutes
Tack Free Time* (23°C/50% R.H.)	Approx. 20-30 minutes
Density (nominal)	1.32 kg/m ³
Maximum allowed distortion (ISO 11600)	Ca. 25% Low Modulus
Temperature resistance	-30 °C → 120 °C
Application temperature	5 °C → 40 °C
Shrinkage after curing	Ca. <2% (DIN 52451)
Shore A hardness	20-28
Extrudability g/min:	55 (standard NMRPS 495A 3mm/3 bars)
ISO 11600 standard	F&G-25LM
Fire resistance (BS EN 1634-1 & BS 476 Part: 20/22)	≤ 60 min
Mechanical Properties on a 2mm thick film (NF T 46002)	
Modulus at 100% elongation	0.37 Mpa
Elongation at break	550%
Tensile strength	1.5 Mpa
Mechanical Properties on glass slabs (EN 28339)	
Modulus at 100% elongation	0.32 Mpa
Elongation at break	260%
Tensile strength	0.55 Mpa
Application temperature range	+5°C to +40°C
Service temperature range	-50°C to +150°C



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

Product Description

FAS Fire Door Silicone Sealant has been specifically tested for sealing gaps between walls and frames of internal and external fire doors, flat entrance doors and timber screens to achieve 60 minutes of fire protection.

Characteristics

- ✓ Prevents the passage of fire and smoke
- ✓ 60 minutes fire-rated in external & internal fire door joints
- ✓ CCPI Assessed - 015700189/1227
- ✓ Seals joints up to 25mm without slumping
- ✓ Specially tested with external fire-rated doorsets
- ✓ Stays elastic with up to 25% movement capability
- ✓ Available in white and grey
- ✓ Exterior and interior use
- ✓ Fully compliant with British and European standards:
 - BS 476: Part 22 1987
 - BS EN 1634-1: 2014 + A1:2018
 - BS EN 1634-3: 2004
 - BS EN ISO 10140-2 : 2010
- ✓ Made in the UK

Applications

- Correct application of the sealant is key to achieving appropriate fire resistance – see the installation guide for details.
- A 310ml cartridge will seal approximately 8.5m with a 6mm x 6mm bead or 2.5m with a joint dimension of 15mm x 8mm.
- Specially tested for use in 60-minute fire-rated external fire doors, flat entrance doors and external timber screens.
- The cured sealant is unaffected by water, dilute acids and alkalis, soap and household detergents. Certain solvents may soften and swell the cured rubber on prolonged contact.

Application Considerations

- Don't use in environments where there is high pedestrian or vehicle traffic which can damage the sealant.
- Don't submerge joints in porous substrates that might allow water to reach the bond interface.
- Don't use for applications subject to contact with food products.
- Don't use in the manufacture of aquariums or for sealing swimming pools.

Packaging

310ml plastic cartridges

Shelf Life

9 months if stored in accordance with storage guidance.

Storage & Disposal

Silicone cartridges can be stored for up to 9 months from the production date when stored in unopened cartridges under cool, dry conditions between 5°C and 25°C. Do not allow to freeze.

Empty cartridges should be disposed of appropriately in line with local regulations.

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.

Product Type	Fire Rating	Test Standard	Report Reference	Certification Body
Fire-rated Timber Doorset	FD60	BS 476: Part 22: 1987	CFR2209012	Cambridge Fire Research
		BS 476: Part 22: 1987	CFR2204071	Cambridge Fire Research
		BS 476: Part 22: 1987	WF528937	Warringtonfire
		BS EN 1634-1	WF526263	Warringtonfire
Product Type	Air/Smoke Leakage	Test Standard	Report Reference	Certification Body
Fire-rated Timber Doorset	Y	BS EN1634-3: 2004	WYC524858	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		

Health and Safety

- Contains 3-aminopropyltriethoxysilane. May cause an allergic reaction.
- Avoid contact with skin and eyes. In case of contact with eyes, flush immediately with water and seek medical advice.
- Wear suitable protective clothing and gloves.
- Keep out of reach of children. Do not ingest.
- Safety Data Sheet available on request.

CCPI Assessed

Our FAS Fire Door Silicone 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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