

CI/SfB	(29)	(k2)
CAW P10		
Uniclass JP10:L68114		

Product Information

Description

FS703 Silicone Sealant is a single-part alkoxy-based fire resistant, elastomeric, neutral cure silicone sealant. Provides up to 4 hours fire protection at internal and external building gaps and movement joints.

Usage / Purpose

Joints in compartment walls and floors, Gaps between frames and structures, at junctions of different materials.

SUBSTRATES

- Masonry to masonry
- Masonry to timber
- Masonry to steel

Colours

White & grey

Packaging

310 ml cartridges (12 per box)
600 ml sausages (12 per box)

Availability

Direct from tremco illbruck (see back of leaflet for address and telephone details).

USAGE GUIDELINES

Tools

- Standard cartridge/skeleton gun
- Palette knife or spatula

Joint Design Considerations

- Standard cartridge/skeleton gun
- Palette knife or spatula

Preparation

- Clean all surfaces of loose particles, moisture, oils, grease and corrosive materials
- Abrade painted or shiny surfaces
- Check specification is suitable for movement, fire rating and gap size

Installation

- Insert backing material, oversized to joint width to ensure stability, to provide correct depth of seal (minimum 6 mm)- For double seals: Use PE Backing Rod
- Cut nozzle of cartridge to required bead size
- Gun sealant into gap to required depth

- Tool to a smooth finish immediately with a wet palette knife or spatula

Coverage

- To determine quantity of sealant required, calculate as follows:

$$\frac{\text{Gap Width} \times \text{Depth} \times \text{Total Length}}{310} = \text{N}^{\circ} \text{ of cartridges}$$

For further guidance on application methods, and material requirements, please contact tremco illbruck Technical Services Department.

Cleaning

Immediately remove all excess sealant adjacent to the joint (use masking tape where appropriate). Cured sealant can only be removed by abrasion.

Maintenance

No maintenance required after installation. Routine inspection recommended to ensure no damage to the system.

Storage

Store in dry conditions between +5°C and +30°C.

Shelf Life

12 months when stored in its original unopened containers.

Health & Safety Precautions

Safety data sheet must be read and understood before use.

Technical Service

tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Nullifire
Smart Protection

FS703

Neutral Cure, Fire Rated Silicone

up to
240
mins



Key Benefits Summary

- Can achieve up to 4 hours joint fire resistance tested in accordance with EN 1366-4
- CE Marked ETAG 026 and Classification 13501:2
- Suitable for gaps up to 50 mm wide
- Assumed working life of 10 years (ETAG 026)
- Certified 3rd party accreditation
- Air Permeability 600Pa EN1026
- Seal ratio at 2:1
- Neutral cure silicone sealant



FS703

Neutral Cure, Fire Rated Silicone

Nullifire

Smart Protection

Technical information

Property	Test Method	Result
Composition		Neutral silicone
Fire Performance		
Period of Fire Resistance	EN 1366-4, Classification 13501-2	up to 4 hours integrity
Air Permeability	EN1046	Air tight up to 600 Pa
Depth of Sealant Required	Gap width up to 50 mm	50 % of width
Properties (Typical Values)		
Assumed Working Life	ETAG 026	10 years
Specific Gravity		1.39
Shore A Hardness	ISO 868	23
Touch Dry	at 23°C, 50% RH	30-40 minutes
Cure Through Time	at 23°C, 50% RH	1 - 2 mm/day
Tensile Strength	ISO 8339	0.7 MPa
Viscosity		Thixotropic
Service Temperature Range		-40°C to +150°C

Guarantee / Warranty

tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with tremco illbruck written instructions and (b) in any application recommended by tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

Performance Data

Fire performance in accordance with EN1366-4, Classification 13501 2:2007 + A1: 2009, ETAG-026, Fire resistance classifications: The following fire protection classes are used: E = integrity, i.e. ability to isolate smoke gases, I = insulation, i.e. ability to prevent heat spread, AAC = Aerated Concrete, H = Horizontal, V = Vertical, W = Widths, X = No specific movement tested, F = Type of splices – Field.

Sealant Depth	Backing Material	Substrate	Seal Orientation	Classification	
FLOOR JOINTS					
FS703 Silicone Sealant Linear Joint Seals in Rigid Floors 150 mm thick (min.)					
2:1 Ratio 2 = Width 1 = Depth	PE Backing	AAC-Steel	Unexposed Face	E180 EI45- H - X - F - W 12-30	
	Rod	AAC-AAC		E120 EI30- H - X - F - W 31-50	
2:1 Ratio 2 = Width 1 = Depth	PE Backing Rod	AAC-Steel	Both Faces	E180 EI45- H - X - F - W 12-30	
		AAC-AAC		E240 EI90- H - X - F - W 31-50	
WALL JOINTS					
FS703 Silicone Sealant Linear Joint Seals in Walls 150 mm thick (min.)					
2:1 Ratio 2 = Width 1 = Depth	PE Backing Rod	AAC-Steel	Both Faces	E240 EI60 -T - X - F - W 12-29	
		AAC-AAC		E240 EI90 -T - X - F - W 30-50	
2:1 Ratio 2 = Width 1 = Depth	PE Backing Rod	AAC Softwood		Both Faces	EI240 -V - X - F - W 12-50
		AAC-Hardwood			EI240 -T - X - F - W 12-30
TIMBER JOINTS					
FS703 Silicone Sealant Linear Joint Seals in Walls 150 mm thick (min.)					
2:1 Ratio 2 = Width 1 = Depth	PE Backing Rod	AAC Softwood	Both Faces	EI120 -V - X - F - W 12-30	
		AAC-Hardwood		EI120 -V - X - F - W 12-30	