

Fire Rated Silicone Sealant FFRS

Elastomeric fire resistant sealant



Wall to wall construction joint



Top of wall construction joint

BUILDING MATERIALS

- Concrete
- Masonry
- Steel
- Timber

ASSESSMENT/APPROVAL



British Standard

BS 476 - 20

BS EN 1366-4

BS EN 1026

BS EN ISO 10140-3:1995

ISO 11600

ADVANTAGES

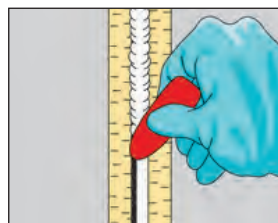
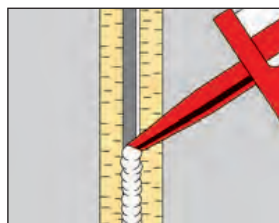
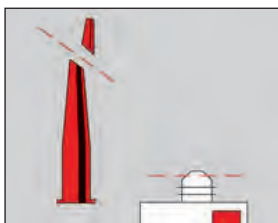
- Excellent acoustic properties
- Primerless adhesion to most substrates
- Approved for infinite linear gap length
- Halogen and solvent free
- Excellent slump characteristics
- Movement capability $\pm 25\%$

FUNCTIONING

- FFRS is a one part silicone based sealant that can provide up to 5 hours fire resistance when used in construction joints.
- It provides primerless adhesion to a wide range of porous and non-porous substrates.

APPLICATIONS

- General construction joints in floor to floor, wall to wall, floor to wall and head of wall 2" (50 mm)
- Internal and external applications



INNER ENGINEERING PRODUCTS & SYSTEMS PVT LTD



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SPECIALISED CHANNEL PARTNER FOR WEST REGION

INSTALLATION

1. Clean all surfaces free from loose debris and contaminants and install required backing material.
2. Apply FiAM to required parameters as per approved system, making sure that it is in contact with all surfaces to provide maximum adhesion.
3. Tool sealant to a defect-free finish using a wetted trowel or putty knife.

SPECIFICATIONS

Item	Art.-No.	Languages on the cartridge	Contents [ml]	Suitable for use with	Sales unit [pcs]
FiAM 310	053011	DE, FR, EN, IT	310	—	25
FiAM 310	538152	DK, FI, SE, NO	310	—	25
FiAM 310	538150	TR, PT, ES, NL	310	—	25
FiAM 310	538151	PL, SK, CZ, HU	310	—	25
FiAM 600	056006	—	600	—	25
KP M2	053117	—	—	FiAM 310, FFRS 310, UFS 310, FiGM 310	1
Applicator gun 600 ml	097967	—	—	FiAM 600	1

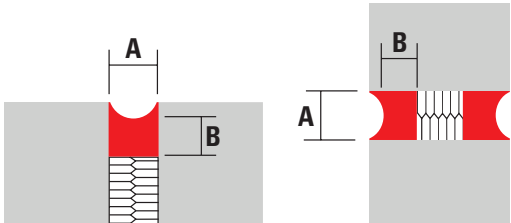
All items are available in grey and are subject to minimum order requirement.

TECHNICAL DATA

Chemical base	Water-based acrylic
Relative gravity	Approx 1.6 g/cm ³
Skin-forming time	Approx 10 minutes at 23 °C RH
Curing rate	Approx 1.5 mm per 24 hours*
Storage temperature	+5 °C to +25 °C
Movement capability	± 25 %
Slump	Nil up to 30 mm
Shelf-life	18 months (under recommended conditions)
pH Value	8 - 9.5
Sound transmission class (Rw partition and specimen)	63 dB
Yield per l/m	Depending on application
Colour	White, grey
European Technical Approval	ETA 14-0378, ETA 14-0379
CE marking	1121-CPR-JA5044

* Curing rate is dependent on substrate, air humidity and weather conditions.

APPLICATION DATA

	Joint width A [mm]	Joint depth B [mm]	Yield per linear metres
	30	20	0.5
	20	15	1
	15	8	1.25
	10	10	3
	6	6	4.25

Substrate	Max. joint width [mm]	Fire ratings	
		Integrity rating [minutes]	Insulation rating [minutes]
Concrete/concrete	60	240	240
Brick/concrete	25	240	30
Steel/blockwork	50	300	90
Hardwood/blockwork	50	60	60
Softwood/blockwork	25	30	30
Drywall/concrete/head detail	20	120	120

Service type size		Fire ratings	
		Integrity rating [minutes]	Insulation rating* [minutes]
Copper/steel/metal pipes	14 - 159 mm diam.	Up to 120	Up to 90
Loaded cable tray	450 x 50 (tray) cables to 21 mm	Up to 120	Up to 90
Single/bunched cables	30 - 80 mm diam. cables	Up to 90	Up to 90

* Copper, steel and metal pipes with an insulation rating of up to 90 minutes are in conjunction with the Thermal Defense Wrap (TDW).

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