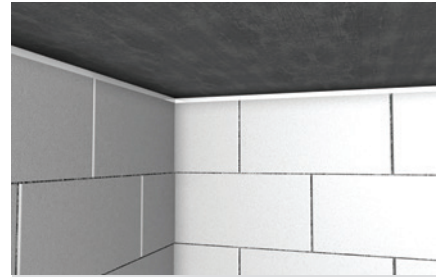


## Elastomeric fire resistant sealant



Wall to wall construction joint



Top of wall construction joint

### BUILDING MATERIALS

- Concrete
- Masonry
- Steel
- Timber

### ASSESSMENT/APPROVAL



Approved CF 5093

### British Standard

**BS 476 - 20**

**BS EN 1366-4**

**BS EN 1026**

**BS EN ISO 10140-3:1995**

**ISO 11600**

### ADVANTAGES

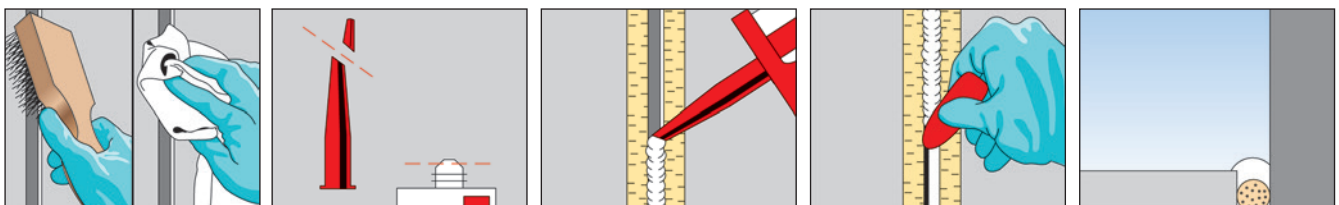
- Excellent acoustic properties
- Primerless adhesion to most substrates
- Approved for infinite linear gap length
- Halogen and solvent free
- Excellent slump characteristics
- Movement capability  $\pm 25\%$

### 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

### 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.



## INSTALLATION

1. Clean all surfaces free from loose debris and contaminants and install required backing material.
2. Apply FFRS 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]
<b>FFRS White 310 ml</b>	<b>512374</b>	DT, FR, EN, NL	310	–	12
<b>FFRS White 310 ml</b>	<b>538140</b>	DK, SE, FI, NO	310	–	12
<b>FFRS White 310 ml</b>	<b>538138</b>	TR, ES, PT, IT	310	–	12
<b>FFRS White 310 ml</b>	<b>538139</b>	PL, CZ, SK, HU	310	–	12
<b>KP M2</b>	<b>053117</b>	–	–	FiAM 310, FFRS 310, UFS 310, FiGM 310	1

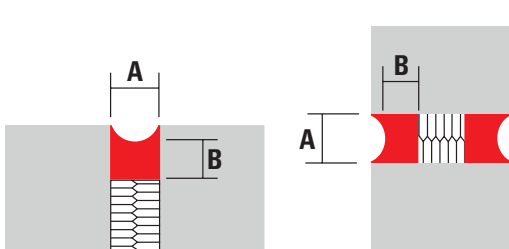
All items are available in grey and are subject to minimum order requirement.

## TECHNICAL DATA

Cure system	Alcoxy
Relative gravity	1.17 kg/m <sup>3</sup>
Skinning time	Approx. 5/10 minutes (at 25 °C and 50 % relative humidity)
Tack free time	Approx. 20 minutes (at 25 °C and 50 % relative humidity)
Full cure	Approx. 2 - 3 mm per 24 hours (at 25 °C and 50 % relative humidity)
Shore a hardness	16
Extrudability g/min	55 (standard NMRPS 495A 3 mm/3 bars)
Movement accommodation	± 25 %
Application temperature range	+5 °C to +40 °C
Service temperature range	Range: -50 °C to +150 °C - must not be stored above 35 °C
Shelf life	Up to 12 months when stored in unopened cartridges under cool, dry conditions
Colour	White, grey, black
European Technical Approval	ETA 15-0799
Elastic recovery	> 90 %
Slump	Nil up to 30 mm
Sound transmission class	38 dB

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 DATA

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

Above provides approx. yield from 1 x 310 ml cartridge

Substrate	Max. joint width [mm]	Depth of sealant [mm]	Fire ratings	
			Integrity rating [minutes]	Insulation rating [minutes]
Concrete/concrete	12	6	300	122
Concrete/concrete	30	15	300	86
Concrete/concrete	50	25	300	65
Steel/concrete	12	6	300	48
Steel/concrete	20	15	300	43
Steel/concrete	50	25	300	33
Softwood/concrete	12	6	199	5
Softwood/concrete	30	15	143	
Softwood/concrete	12	6	300	69