

## Flexible fire resistant acoustic mastic

2  
Products



### BUILDING MATERIALS

- Flexible wall constructions
- Rigid floor and wall constructions
- Masonry
- Concrete
- Timber
- Steel
- FCPS System

### ASSESSMENT/APPROVAL



**British Standard**

**BS 476 - 20**

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

**BS EN 1026**

**BS EN 1366-4**

**BS EN 1366-3**

**ASTM E 84  
(UL 723)**



Approved CF 5034



### ADVANTAGES

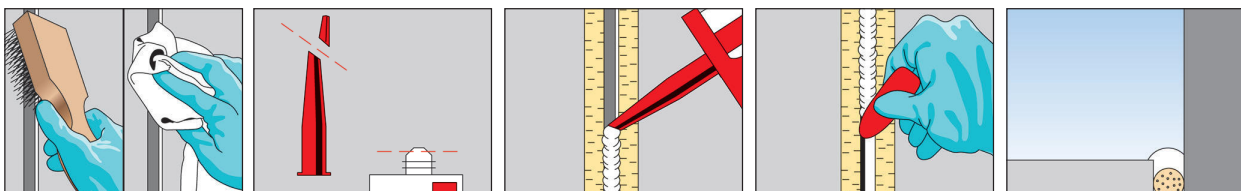
- Water based
- Low VOC
- Movement capability  $\pm 25\%$
- Excellent acoustic properties
- Approved for infinite linear gap length
- Halogen and solvent free
- Paintable and excellent slump characteristics

### APPLICATIONS

- Metallic pipes: 6" (159 mm)
- Cable trays: 18" x 2" (450 x 50 mm)
- Cable bunches: 3" (80 mm)
- Linear joints: flexible and rigid construction elements
- Joints between FCPS coated panel system

### FUNCTIONING

- FiAM is a one-part water-based acrylic emulsion.
- It has a fire resistance of up to 5 hours when used in construction joints and services in both vertical and horizontal applications.
- When exposed to fire, it reacts to form a highly insulative char that slows down heat transfer and provides a barrier to fire seal.
- It is suitably compatible in a variety of materials, and is utilised within the FCPS which is designed to seal large openings in fire rated floors and walls.



## 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]
<b>FiAM 310</b>	<b>053011</b>	DE, FR, EN, IT	310	–	25
<b>FiAM 310</b>	<b>538152</b>	DK, FI, SE, NO	310	–	25
<b>FiAM 310</b>	<b>538150</b>	TR, PT, ES, NL	310	–	25
<b>FiAM 310</b>	<b>538151</b>	PL, SK, CZ, HU	310	–	25
<b>FiAM 600</b>	<b>056006</b>	–	600	–	25
<b>KP M2</b>	<b>053117</b>	–	–	FiAM 310, FFRS 310, UFS 310, FiGM 310	1
<b>Applicator gun 600 ml</b>	<b>097967</b>	–	–	FiAM 600	1

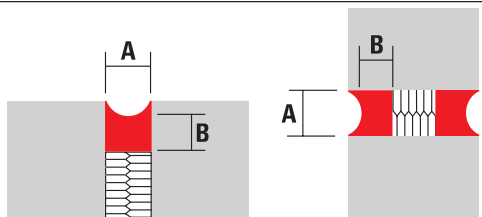
All items are available in grey and are subject to minimum order requirement.

## TECHNICAL DATA

Chemical base	Water-based acrylic
Relative gravity	Approx 1.6 g/cm <sup>3</sup>
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	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

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]
<b>Copper/steel/metal pipes</b>	14 - 159 mm diam.	Up to 120	Up to 90
<b>Loaded cable tray</b>	450 x 50 (tray) cables to 21 mm	Up to 120	Up to 90
<b>Single/bunched cables</b>	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).