

Intumescent Acoustic Mastic FiAM

Flexible fire resistant acoustic mastic



Construction joints



Non combustible services

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)

IS 12458



ADVANTAGES

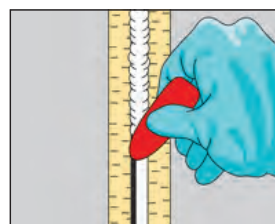
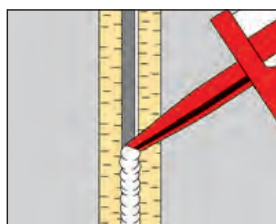
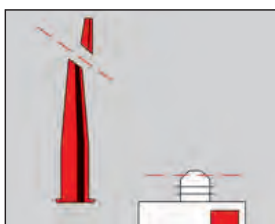
- Water based
- Low VOC
- Movement capability $\pm 25\%$
- Excellent acoustic properties
- Approved for infinite linear gap length
- Halogen and solvent free
- Paintable and excellent slump characteristics

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.



INNER ENGINEERING PRODUCTS & SYSTEMS PVT LTD



MAHARASHTRA



GOA



GUJARAT



MADHYA PRADESH



CHHATTISGARH

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

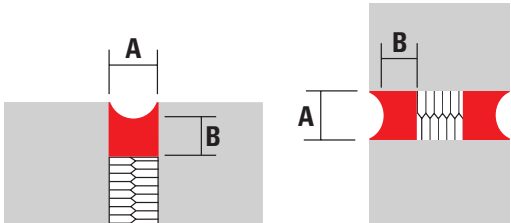
All items are available in grey and are subject to minimum order requirement.

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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