

Intumescent Acoustic Mastic FiAM

Flexible fire resistant acoustic mastic

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Construction joint application



Non combustible pipe application

Applications

- Metallic pipes: 13" (325 mm)
- Cable trays: 18" x 2" (450 x 50 mm)
- Cable bunches: 4" (100 mm)
- Linear joints: flexible and rigid construction elements
- Joints between FCPS coated panel system

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

Certificates



ETA-20/1065
ETA-20/1064



CLASSIFIED
C UL US
EN ISO 10140
EN 1026
EN 1366-3
EN 1366-4
ASTM E 84 (UL 723)
ASTM E 1966 (UL 2079)

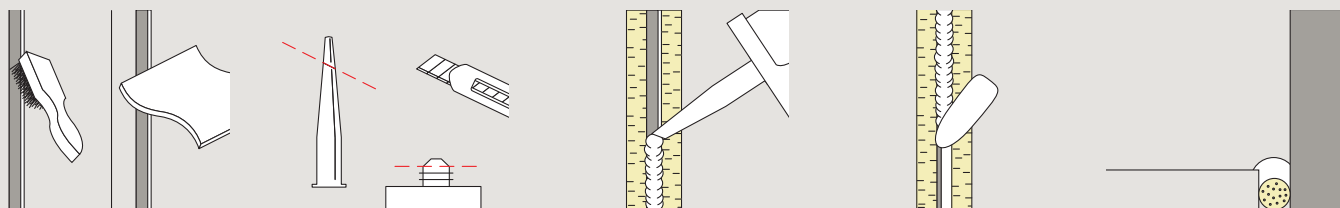
Building materials

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



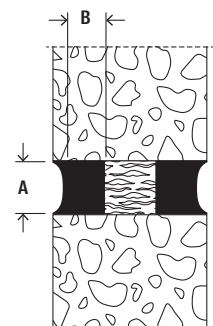
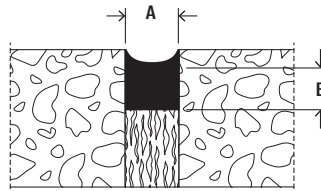
Intumescent Acoustic Mastic FIAM

		Ap- pro- val	Languages on the cartridge	Contents	Adapted for	Sales unit
Item	Item no.	ETA		[ml]		[pcs]
FIAM 310	053011	●	DE, FR, EN, IT	310	–	1
FIAM 310	538152	●	DK, FI, SE, NO	310	–	1
FIAM 310	538150	●	TR, PT, ES, NL	310	–	1
FIAM 310	538151	●	PL, SK, CZ, HU	310	–	1
FIAM 600	056006	●	–	600	–	1
KPM 2 Plus	053117	–	–	–	FIAM 310, FFRS 310, UFS 310, FIGM 310	1
Applicator gun 600 ml	097967	–	–	–	FIAM 600 ml	1

Technical data

Base material	Water-based acrylic
Relative gravity	approx. 1.6 g/cm ³
Skin-forming time	approx. 10 min at 23 °C RH
Curing rate	approx. 1.5 mm per 24 hours
Storage temperature	+ 5 °C to + 25 °C
Movement capability	±25 %
Shelf life	18 month
pH Value	8 - 9.5
Acoustic performance	63 dB
Yield per l/m	depending on application
Colour	white (grey on request)
European Technical Assessment	ETA-20/1064, ETA-20/1065
CE marking	2531-CPR-CX010321

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



Application data

Joint width A [mm]	Joint depth B [mm]	ml per linear metres*
60	5	300
50	5	250
30	5	150
15	5	75
5	5	25

*The consumption of the product depends on the application.

Substrate	Max. joint width	Fire ratings	
	[mm]	Integrity rating [min]	Insulation rating [min]
Concrete/masonry	60	240	240
Concrete or masonry/steel	60	240	60
Concrete or masonry/timber	60	60	60
Concrete/masonry/head detail	60	240	240

For detailed information please refer to listed system.

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Service type size		Fire ratings	
		Integrity rating [min]	Insulation rating [min]
Copper/steel/metal pipes	35 - 159 mm diameter	up to 240	up to 240
Loaded cable tray	450 x 50 (tray) cables to 21 mm	up to 120	up to 90
Single/bunched cables	21 - 100 mm diameter cables	up to 120	up to 120