Acoustic Mastic FiAM Plus

Flexible fire resistant acoustic mastic

Construction joint application

Non combustible pipe application

Applications

- Linear joints: rigid construction elements
- Horizontal & vertical linear joints
- Single penetration metallic pipes
- Single penetration insulated metallic pipes
- Single penetration plastic pipes
- Cable trays
- Cable bundle
- Single cable
- Internal application

Advantages

- Acoustic properties
- Excellent movement capabilities
- Air permeability
- Water permeability
- Low VOC, halogen and solvent free
- Paintable

Certificates

ETA-23/0163
ETA-23/0165

EN ISO 10140-2
EN 13501-1
EN 1026
EN 1027
EN 1366-3
EN 1366-4
ASTM E84 (UL 723)
ASTM E90
ASTM G21
ASTM 2079
VOC (Eurofins)
CDPH

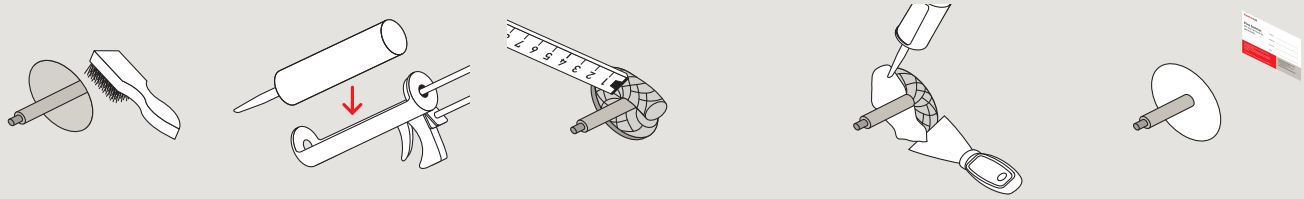
Building materials

- Rigid floor and wall constructions
- Flexible wall constructions
- Masonry
- Concrete
- Aerated Concrete

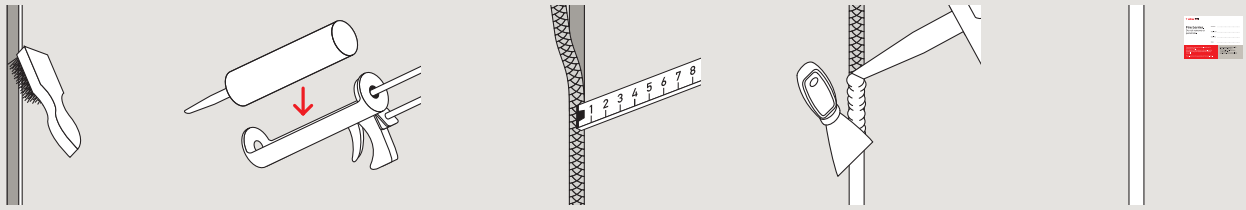
Functioning

- FiAM Plus is a one part water-based fire resistant acrylic sealant.
- 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 suitable for a wide range of construction joints and single penetration applications.

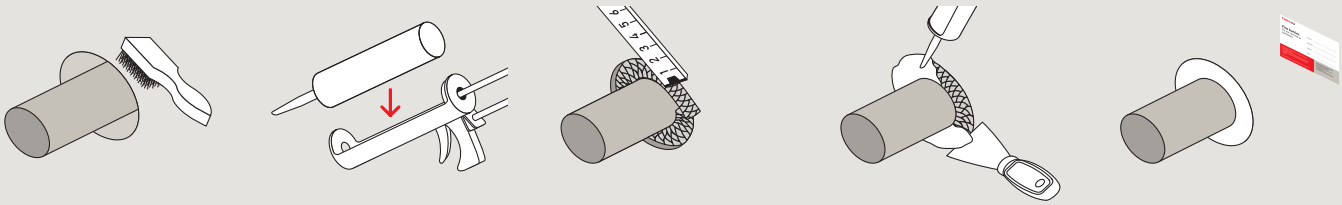
Installation FiAM Plus cable



Installation FiAM Plus joint



Installation FiAM Plus pipe

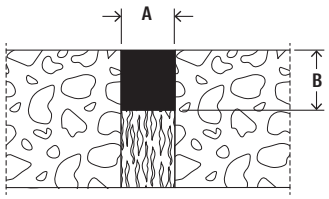


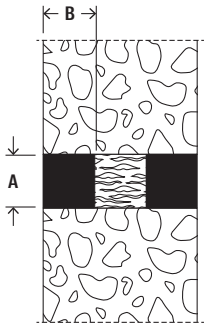
Technical data

Item	Item no.	Approval ETA	Languages on the cartridge	Contents [ml]	Piece per carton [pcs.]	Sales unit [pcs]
FiAM Plus	**569298**	●	DA, SV, NO, FI	310	25	1
FiAM Plus	**569299**	●	TR, PT, ES, NL	310	25	1
FiAM Plus	**569300**	●	DE, FR, EN, IT	310	25	1
FiAM Plus	**569301**	●	PL, SK, CS, HU	310	25	1
FiAM Plus 600	**569302**	●	–	600	15	1
KPM 2 Plus	**053117**	–	–	–	–	1
Applicator gun 600	**097967**	–	–	–	–	1

Base material	water-based acrylic
Density	1,68 g/m³
Skin-forming time	approx. 8 min (at 23 °C and 50% relative humidity)
Curing rate	approx. 1.0 mm per 24 hours
Storage temperature	+ 5 °C to + 25 °C
Coating thickness	≥ 3.0 mm depending on application
Movement capability	≤ 25 % according to EN 1366-4, UL 2079: Cycling 500 times, 15% movement as of ASTM E1399 (Class II and III)
Shelf life	18 months
pH Value	7.8 - 8.8
Air permeability	no measurable air flow, positive and negative pressure tested to EN 1026
Water permeability	no water penetration at up to 1.050 Pa tested to EN 1027
Accoustic performance	Rs,w (C:Ctr) = 55 (-2: 5) dB
Reaction to fire	D-s1, d0 per EN 13501-1 and class A per ASTM E84
Fire resistance	EN 1366-3, EN 1366-4, UL 2079
Yield per l/m	depending on application
Colour	white
European Technical Assessment	ETA-23/0163, ETA-23/0165
CE marking	0800-CPR-III-1170-3, 0800-CPR-III-1170-5

Skin-forming time and curing rate are 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 [mm]	Fire ratings	
		Integrity rating [min]	Insulation rating [min]
Concrete / masonry (head of wall)	60	up to 240	up to 240
Concrete / concrete (wall joint)	60	up to 240	up to 180
Concrete / concrete (wall joint)	100	up to 120	up to 120
Concrete / concrete (floor joint)	60	up to 240	up to 240
Concrete / concrete (floor joint)	100	up to 240	up to 120
Concrete / steel (floor joint)	20	up to 240	up to 30
Concrete / steel (floor joint)	60	up to 180	up to 20
Concrete / steel (wall joint)	70	up to 240	up to 45
Concrete / timber (floor joint)	50	up to 60	up to 60
Concrete / timber (wall joint)	50	up to 90	up to 90

For detailed information please refer to listed system.

Substrate	Type of penetrant	Size [mm]	Fire ratings	
			Integrity rating [min]	Insulation rating [min]
Concrete (floor application)	Metal pipes	15 - 355.6	up to 240	up to 180
Concrete (floor application)	Combustible pipes	≤ 50	up to 120	up to 60
Concrete (wall application)	Metal pipes	15 - 355.6	up to 240	up to 240
Concrete (wall application)	Combustible pipes	≤ 50	up to 120	up to 120
Concrete (wall application)	Service option S	cables up to a max. outer Ø of 21 mm	up to 120	up to 45
Concrete (wall application)	Service option M	cables up to a max. outer Ø of 50 mm	up to 120	up to 30
Concrete (wall application)	Tied cable bundle	tied cable bundle up to Ø 100 mm	up to 120	up to 45
Concrete (wall application)	Service option L (with cable carrier)	cables up to a max. outer Ø of 80 mm	up to 120	up to 30
Dry wall	Metal pipes	15 - 355.6	up to 60	up to 60
Dry wall	Combustible pipes	≤ 50	up to 60	up to 60
Dry wall	Service option S	cables up to a max. outer Ø of 21 mm	up to 60	up to 30
Dry wall	Service option M	cables up to a max. outer Ø of 50 mm	up to 60	up to 20
Dry wall	Service option L	cables up to a max. outer Ø of 80 mm	up to 60	up to 20
Dry wall	Tied cable bundle	tied cable bundle up to Ø 100 mm	up to 60	up to 20
Dry wall	Service option L (with cable carrier)	cables up to a max. outer Ø of 80 mm	up to 45	up to 20

For detailed information please refer to listed system.