

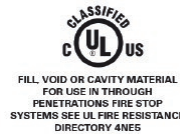
Flexible fire resistant acoustic mastic



APPROVALS



Approved CF 5034



British Standard

BS 476 - 20

BS EN ISO 10140-3:1995

BS EN 1026

BS EN 1366-4

BS EN 1366-3



ADVANTAGES

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

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.

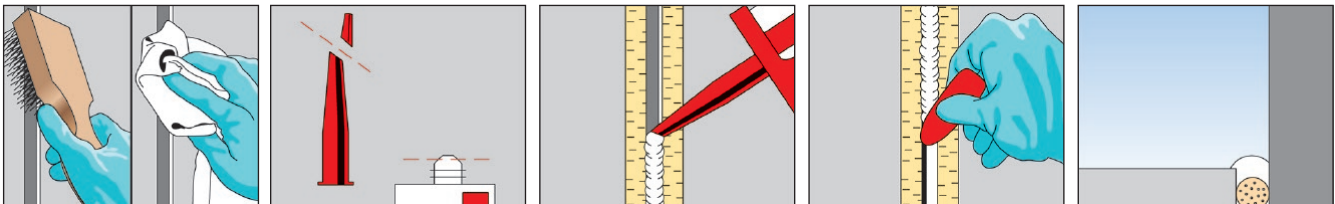
APPLICATIONS

- 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

BUILDING MATERIALS

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

INSTALLATION



PRODUCT DATA

| Item | Art.-No. | Languages on the cartridge | Contents [ml] | Suitable for use with | Sales unit [pcs] |
|-----------------------|----------|----------------------------|---------------|---------------------------------------|------------------|
| FiAM 310 | 053011 | D, F, NL, CZ, PL, SK | 310 | — | 25 |
| FiAM 310 | 538152 | DK, SE, NO, FIN | 310 | — | 25 |
| FiAM 310 | 538150 | TR, ES, PT, IT | 310 | — | 25 |
| FiAM 310 | 538151 | PL, CZ, DK, N, S, FIN | 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 |

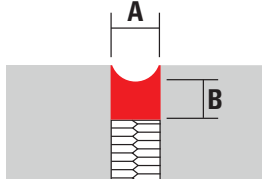
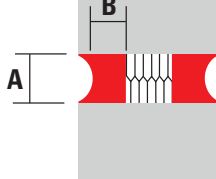
All items are available in grey and are subject to minimum order requirement.

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 | 08.09.2005 |
| Sound transmission class | 63 dB |
| Yield per l/m | 1.55 yield per linear metre |
| 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).