

FIRESAFE FT Graphite

PRODUCT DESCRIPTION

FIRESAFE FT Graphite is a special product suitable for penetration sealing of combustible installations. Firesafe FT Graphite is a heat-expanding, one-component water-based graphite joint sealant. The sealant expands at a temperature as low as approximately 180°C. The product thus has very good fire stopping properties.

AREAS OF APPLICATION

- Penetration sealing of copper and steel pipes with combustible and non-combustible pipe insulation.
- Penetration sealing of pipes of the type AluPEX with combustible and non-combustible pipe insulation.
- Penetration sealing of plastic pipes of the type PE-Xa with combustible and non-combustible pipe insulation.
- Penetration sealing of plastic electrical cable conduit.
- Penetration sealing of electrical cables.
- Penetration sealing of combustible heating/water/sanitation plastic pipes.
- PVC + PVC-C + PVC-U poly vinyl chloride.
- PP-MD noise-dampened.
- PP-R high pressure + high temperature pipe.
- PP-Polypropylene.
- PP-MX noise-dampened.
- PE-Xa high pressure + high temperature PE pipe.
- AluPEX heating + water supply, Al composite pipe or multi-layer pipe
- PE-LD + PE-HD polyethylene.

FIRESAFE FT Graphite is generally used for single installation penetrations with a maximum opening ≤ 15 mm between the installation penetration and the structure. For openings ≥ 15 mm between the installation penetration and the structure, or for multiple installation penetrations, FIRESAFE FT Graphite is used in combination with FIRESAFE FT Board or FIRESAFE GPG MORTAR. See installation details on the following pages in these installation instructions or see also the installation instruction for FIRESAFE FT Board for details.

CERTIFICATION/ FIRE RESISTANCE/ ARTICLE NO/ EL- NO

- FIRESAFE FT Graphite has been tested according to NS-EN 1366-3 (2009) and EN 13501-1/2.
- Certified according to ETA-16/0094.
- Fire resistance EI 30 to EI 240 with extensive areas of application for walls and floors.
- Fire-classified walls according to EN 1363-1: Plasterboard or masonry/cast construction (density 600 - 650 kg/m³) ≥ 100 mm.
- Fire-classified floors according to EN 1363-1.: Floors of masonry/cast construction (density 600 - 650 kg/m³) ≥ 150 mm.
- Approved as a smoke sealant in accordance with EN 1634-3.
- For more details, see the DoP on www.firesafe.no.
- FIRESAFE Article No: 100046 / EL No (NO): 12 178 13

APPLICATION

- Ensure that any openings to be sealed with Firesafe FT Graphite are free from dust and grease.
- Treat absorbent materials with water or primer first.
- Fill the opening with backing material (stone wool, ceramic fibre or PE board) where necessary.
- Smooth the sealant over the opening; for straight edges, use masking tape.
- The sealant can normally be over-coated after 24 hours.
- Firesafe FT Graphite must not be applied at temperatures lower than +5°C.
- The sealant is applied using a sealant gun and a standard sealant finishing tool.

PACKAGING

Plastic cartridge for standard sealant gun: contents 310 ml, supplied in boxes of 25 cartridges.

STORAGE/SHELF LIFE

Store in a dry place, between +5°C and +30°C. Best stored in a cool and dark place.

* Shelf life: at least 12 months in unopened packaging. Must be stored in a frost-free environment.

SAFETY

The sealant is solvent-free and environmentally friendly. Not known to be an irritant in the event of contact with skin, but avoid contact with eyes or mouth. Keep children and animals away from unhardened sealant. See separate material safety data sheet for FIRESAFE FT Graphite.



Colour: Dark grey
 Application temperature: +5°C – +30°C
 Drying time (looks): 15 min
 Drying time (toughened): 1–24 hours
 Flexibility: 12%
 Expansion when exposed to fire: 1:20
 Storage temperature: +5°C – +30°C