

Firewrap

Fire protection tape

Technical Data Sheet

02/2024



Material

Firewrap fire protection tape provides the sealing of pipe crossings against fire, smoke and gases in fireproof structures. At high temperatures, the graphite-containing tape swells, covering the openings of the pipe crossings.

Storage

Store in a dry place on wooden pallets in unopened original packaging. Storage temperature from +5 °C to +30 °C.

Quality assurance

According to the requirements of norm EAD 350454-00-1104, Knauf Firewrap has undergone a European Technical Assessment ETA 23/0974; constant control of the production process is ensured. The product is marked with the CE mark.

Features and benefits

- Also designed for large openings 1200 x 2400 mm when installed with Knauf FPC Panel and FPM Mortar
- For pipes up to Ø 400 mm
- Low emissions – environmentally and user friendly
- Classified for all types of structures and utility crossings
- Unlimited shelf life
- Can be repainted
- Service life 25 years
- For indoor work

Application

Firewrap fire protection tape maintains the fire resistance of walls and ceilings forming a fire compartment or fire-separated space where combustible or non-combustible pipes with combustible insulation pass through a fireproof structure. It is classified for all types of structures – lightweight partitions, solid walls and coverings, solid wood CLT wall and covering panels. Firewrap is designed for sealing utility crossings: cable protection tubes, steel pipes, copper pipes, multi-layer pipes with combustible insulation, combustible pipes PVC, PE, ABS, PP, PEX pipe-in-pipe. For indoor work.

Note

Firewrap tape is designed for all types of derived combustible pipes:

- PVC pipes, including PVC-U, PVC-C and others, if they comply with EN 1329-1, EN 1452-2, EN 1453-1 or EN 1566-1,
- PP pipes, including PP-MV, PP-H, PP-R and others, if they comply with EN 1451-1 or DIN 8077/8078,
- PE pipes, including PE-LD, PE-MD, PE-HD, PE-X and others, if they comply with EN 1519-1, EN 12201-2 or EN 12666-1, ABS according to EN 1455-1 and for pipes made of SAN+PVC according to EN 1565-1.

Processing

Openings in walls and coverings must be dry, clean, and free of dust. The fire protection tape Firewrap is installed by attaching it around the duct. The tape must be installed together with Knauf FPM Mortar fire protection mortar or Knauf FPC Panel mineral wool board with fire protection coating. Processing is to be carried out in accordance with ETA 23/0974 as well as the installation instructions:

- Knauf FPC Panel E502e.lv-A01,
- Knauf FPM Mortar P021a.lv-A01.

Temperature/climate

The air and base temperatures during processing and curing must be between -20 °C and +50 °C.

Other instructions

This technical sheet defines the scope of use of the material and the recommended work to be carried out, but it cannot replace the skill of the contractor. In addition to these recommendations, the work must be carried out in accordance with the requirements of the construction work. The manufacturer guarantees the quality of the product but has no influence over how and under what conditions it is used. If in doubt, a trial application should be carried out. This technical data sheet supersedes previous editions of technical sheets.

Occupational safety and waste collection

Waste identification class:

160304, 170203 (see material safety data sheet).

Technical data

Designation	Unit	Value / Size
Density	kg/m ³	1300
Operating time	years	≥ 25
Expansion coefficient	-	28:1
Expansion pressure	N	55
Expansion time	min.	< 10
Minimum expansion temperature	°C	150
Temperature resistance	°C	-40 to +80
Application temperature	°C	-20 to +50
Colour	-	anthracite

Delivery programme

Title	Packaging	Art. Nr.	EAN code
Knauf Firewrap Ø 55 mm	25 pcs per box	00651077	5902367204679
Knauf Firewrap Ø 82 mm	25 pcs per box	00651078	5902367204686
Knauf Firewrap Ø 110 mm	25 pcs per box	00651079	5902367204693
Knauf Firewrap 50 mm (h) / 25 m roll	1 pc. per box	00651087	5902367204754
Knauf Firewrap 75 mm (h) / 25 m roll	1 pc. per box	00651085	5902367204761

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Manufacturer: SIA Knauf