

## FPC Coating

Fire protection coating

*Technical Data Sheet*

01/2024

### Material

FPC Coating is an ablative fire protection coating for mineral wool boards – large openings in walls and coverings. It provides additional protection against the ingress of hot gases, while reducing the temperature rise on the side not exposed to fire, as well as limits heat transfer through utility crossings.

#### Storage

12 months. 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 350141-00-1106, Knauf FPC Coating has undergone a European Technical Assessment ETA 23/0972; constant control of the production process is ensured. The product is marked with the CE mark.

### Application

FPC Coating fire protection coating for mineral wool boards is designed to prevent the spread of smoke and fire through large openings in fireproof walls and coverings in places where engineering utilities are established.

The coating, applied on a mineral wool board, also provides the acoustic parameters of fireproof walls and coverings.

It is classified for all types of structures – lightweight partitions, solid walls and coverings, solid wood CLT wall and covering panels. FPC Coating is designed for sealing utility crossings: cables, cable bundles, cable protection tubes, cable ladders and troughs, steel pipes, copper pipes, multi-layer pipes, combustible pipes PVC, PE, ABS, PP, PEX pipe-in-pipe.

For indoor work.



### Features and benefits

- Ready to use
- Air, smoke and gas tight, tested at 600 Pa
- Designed for large openings 1200 x 2400 mm or unlimited length if the width does not exceed 800 mm
- Remains flexible
- Low emissions – environmentally and user friendly
- Classified for all types of structures and utility crossings
- Can be repainted
- Service life 25 years
- For indoor work

#### Note

FPC Coating 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

The mineral wool board and the edges of the opening must be dry, clean, and free of dust. FPC Coating is applied by an airless sprayer, brush or roller.

It is applied according to the installation conditions and the required fire resistance:

on mineral wool with a nominal density of 160 kg/m<sup>3</sup> or mineral wool with a minimum density of 33–35 kg/m<sup>3</sup>.

At the point of installation, the fire protection coating can be used in conjunction with Knauf FPC Panel to seal the plate around utilities and surrounding structures. Knauf Firewrap fire protection tape must be used for combustible pipes and pipes with combustible insulation.

FPC Coating can be painted over with most emulsion or alkyd paints.

Processing is to be carried out in accordance with ETA 23/0972 as well as the installation instructions Knauf FPC Panel E502e.lv-A01.

### Temperature/climate

The air and base temperatures during processing and curing must be between +5 °C and +50 °C.

## Other instructions

In case of contact with the eyes, rinse them with plenty of water and seek medical help.

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: 080112 (see material safety data sheet).

## Technical data

Designation	Unit/Norm	Value / Size
Reaction to fire class	LVS EN 13501-1	D-s1, d0
Fire resistance	LVS EN 13501-2	ETA 23/0972
Density	kg/l	1.3 – 1.4
Air permeability	EN 1026:2016	air, smoke and gas tight
Flexibility	-	≤ 7.5 %
Operating time	years	≥ 25
Resistance	EAD 350141-00-1106, Clause 2.2.9	Y1
Dry residue	-	> 58%
Temperature resistance	°C	-30 to +80
Application temperature	°C	+5 to +50
Non-adhesive	min.	75
Film formation	min.	25
Hardening	days	3–5 (depending on layer thickness, ambient temperature and humidity level)
Colour	-	white

## Sustainability and environment

Criterion	Class	Value
French VOC Regulation	A+	fulfils
German AgBB (2021)/ABG (2022)	-	fulfils
EMICODE	EC2	fulfils
Indoor Air Comfort®	-	fulfils
M1	-	fulfils

## Delivery programme

Title	Packaging	Art. Nr.	EAN code
Knauf FPC Coating	8 l, plastic bucket, 48 pcs per pallet	00651039	5902367204556

### **SIA Knauf**

Institūta iela 108, Saurieši,  
Stopiņu pag., Ropažu nov., LV-  
2118, Latvija

### **Phone**

(+371) 67032999

[www.knauf.com/lv-lv](http://www.knauf.com/lv-lv)

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