

KNAUF FIRE PROTECTION FOAM

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The fire protection foam is particularly well-suited for fast and flexible closure of small and medium-sized through penetration firestop systems. A packaging unit with six cartridges of Knauf Fire protection foam - FPF, twelve mixing nozzles, six pairs of gloves, as well as one roll of duct tape, is delivered. The duct tape is outstandingly suited as form work for Knauf Fire protection foam - FPF. Through use of the new cordless DynamicMax dispensing gun multiple cartridges can be quickly and conveniently processed in succession.

The end of the reaction, the permanently elastic structure of the penetration seal enables easy retroactive-installation. Retroactive installations can simply be poked through the existing foam. Gaps that occur due to removal of cables or pipes can easily be refilled with the Knauf Fire protection foam - FPF.

Benefits:

- > Easy to use
- > Single-product solution
- > Optimal processing

Installation Instructions

1. Read the Safety Data Sheet before use and use the recommended personal protective equipment.
2. Remove all loose debris, any contaminants such as grease and oil from the surfaces to be sealed.
3. Moisture is necessary to ensure a fast and even curing of the foam. Spray surfaces with water to moisten them when foam is applied (a spray bottle for plants can be used). This is especially important in warm and dry areas.
4. The tin must be shaken well 15-20 times before use. Attach the gun to the tin but do not overtighten or activate the release valve.
5. The tin should be turned upside down for foam application so that the gun is under the tin.
6. Depending on the joint orientation and size, best results will be obtained by building up multiple layers from the bottom, thus allowing each individual layer to part cure. Do not attempt to insert excessive wet foam as rapid expansion will cause wasteful overspill of curing foam in the joint and may apply pressure to soft materials and push them out of position. Foam extrusion can be controlled by depressing the trigger on the gun more or less or reducing the pressure on the valve.
7. Once the gap or joint is completely filled, excessive overspill should be removed by cutting with a knife or similar.
8. After sealing the foam should be covered by a substrate resistant to mechanical damage and UV-radiation.

Product description

Knauf FP Foam is a fire classified construction foam that has particularly good acoustic properties. Knauf FP Foam is designed to maintain the fire resistance in walls by filling linear gaps in concrete and masonry walls.

Storage

Store tightly, in original packaging, in a well-ventilated space. Store at 5 - 30 °C. Protect from frost.

Method of delivery

Knauf FP Foam cans of 750ml, article no. 651136

Scope of application

Knauf FP Foam satisfies the fire resistance requirement of 240 minutes at a depth of 20 cm, and is suited for quick and inexpensive sealing between concrete elements, Leca and similar where top finish is not required. The sound resistance classification is 58dB at a depth of 10 cm, which may solve some problems in the construction industry. Knauf FP Foam also has excellent thermal properties (0.0354 W/mK).

Properties

- Sealing for window fittings
- Sealing for door fittings
- Filling free spaces, cracks, gaps and pipe penetrations
- Sealing roof, wall and floor joints
- Thermal insulation
- Acoustic insulation
- Certified according to ETA 21/0994
- EAD 350141-00-1106

Fire Classification

SEALING MASONRY OR CONCRETE WALLS ≥ 150MM		
Jointtype Maxwidth	Installation Min seal depth	Classification
Horizontal joint ≤ 20mm	Single sided ≥ 150mm 1)	EI 180-H-X-F-W 20
Horizontal joint ≤ 20mm	Single sided ≥ 150mm 1)	EI 240-H-X-F-W 20
Vertical joint ≤ 20mm	Single sided ≥ 150mm 1)	EI 60-V-X-F-W 20
Vertical joint ≤ 20mm	Single sided ≥ 150mm 1)	EI 240-V-X-F-W 20

- 1) Knauf FP Foam should be covered or painted on both sides.
- 2) Knauf FP Foam must be covered on both sides with ≥ 5mm Knauf Fire Protection Polymer - FPP.

Sound insulation

Description	Sound reduction
Single sided seal ≥ 50mm depth & ≤ 30mm width	61 dB RW

Same or higher sound reduction will be achieved with greater depth, double sided or with backing material. The sound insulation value is only valid for the foam and not for other elements in the building construction. The sound insulation has been tested by the accredited laboratory BM Trada in Great Britain according to EN ISO 10140-2. Test report is available upon request.

Safety

Please observe the EC Safety Data Sheet.