



## E501b-A01.pl

### Product Data Sheet



Firewin

2019-01

# Knauf FP Foam

## 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 18/0930
- EAD 350141-00-1106

## 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.

## Fire Classification - Table:

SEALING MASONRY OR CONCRETE WALLS ≥ 150MM		
Jointtype Maxwidth	Installation Min seal depth	Classification
Horizontal joint ≤ 20mm	Single sided ≥ 150mm <sup>1)</sup>	EI 180-H-X-F-W 20
Horizontal joint ≤ 20mm	Single sided ≥ 140mm <sup>2)</sup>	EI 240-H-X-F-W 20
Vertical joint ≤ 20mm	Single sided ≥ 150mm <sup>1)</sup>	EI 60-V-X-F-W 20
Vertical joint ≤ 20mm	Single sided ≥ 140mm <sup>2)</sup>	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.

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