



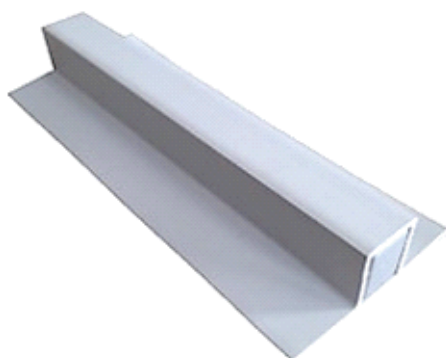
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FATRAFAST



PRODUCT DESCRIPTION

FATRAFAST is an additional element of the FATRAFOL-S waterproofing system that allows various structures and equipment to be placed on roofs. It is composed of an extruded PVC-P profile, in which an aluminium reinforcing element is placed, sealed with plastic plugs at both ends. The bottom part of the profile is designed to create a 30 mm wide hot air weld on both sides. The main advantage of this solution is **that it enables** to attach various structural elements with a screw joint without perforating the waterproofing membrane.

BENEFITS

- Multi-purpose product
- Easy and quick installation without perforating the waterproofing layer
- Weldability with FATRAFOL PVC-P membranes using hot air
- Mutual compatibility with FATRAFOL membranes
- Uniform transfer of forces to the roof structure via the anchoring elements of the waterproofing layer
- Excellent long-term weather resistance, including UV radiation
- Long durability – comparable to that of FATRAFOL waterproofing coating

USAGE

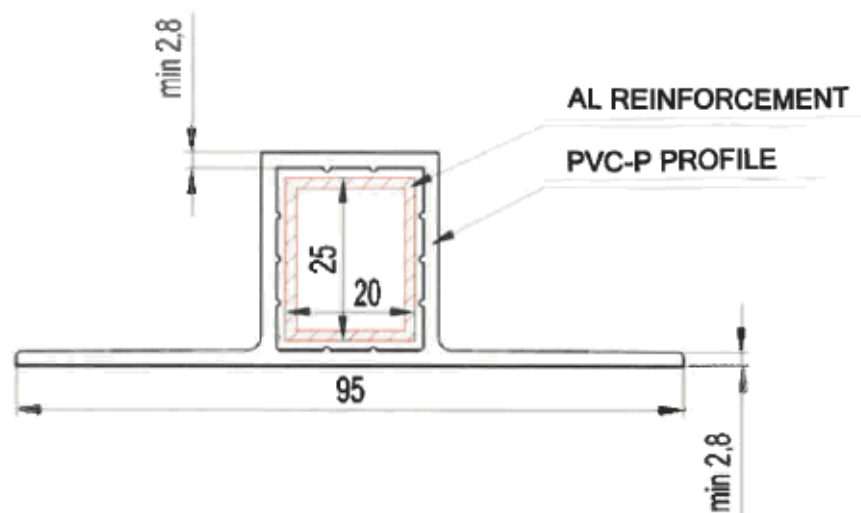
FATRAFAST is designed for installation of various structural elements on roofs or terraces with mechanically anchored FATRAFOL 810/V waterproofing membrane. Construction elements can include spreading grids, structures for photovoltaic panels, solar heaters, air handling units, air conditioning units, etc.

COLOUR

Standard colour of the profile is light grey ~ RAL 7035.

The colour shade of various production batches of the profiles may differ. Minor colour differences are not considered justified grounds for a claim.

DIMENSIONS, WEIGHT AND TECHNICAL PARAMETERS



PVC-P profile dimensions

- | | |
|------------------|-----------------------------------|
| • Height | 33 ± 3.0 mm |
| • Base width | 95 ± 3.0 mm |
| • Wall thickness | min. 2.8 mm |
| • Length | 1010 mm; 2020 mm (+ 1.5 %; - 0 %) |

Al reinforcement dimensions - meets EN 755-9 and EN AW 6060 standards

- | | |
|-------------|----------------------------------|
| • Height | 25 ± 0.30 mm |
| • Width | 20 ± 0.30 mm |
| • Thickness | $2,00 \pm 0.25$ mm |
| • Length | 1000 ± 5 mm; 2000 ± 5 mm |

Weight (informative value)

- | | |
|------------------------------|----------------|
| • Weight of PVC-P profile | 785 g; 1570 g |
| • Weight of Al reinforcement | 450 g; 900 g |
| • Total weight | 1235 g; 2470 g |

Technical parameters

- | | |
|-------------------------------------------------------------------------------------------------|-------------------|
| • Peel strength of the joint with the waterproofing membrane (EN 12316-2) | min. 600 N/50 mm |
| • Tear resistance (PN 4607/2023) | min. 1200 N/50 mm |
| • Ejot EJOFAST JF3-2-5.5xL E16 self drilling screw pull-out resistance (ETA-10/0200, Annex 127) | |
| • Reaction to fire (EN 13501-1) | Class E |

APPLICATION

FATRAFAST is recommended to be installed only on flat roofs, that is, on roofs with a slope not exceeding 5° (8,75 %). The recommended minimum slope of the substrate is 2 %.

FATRAFAST can only be applied to a mechanically anchored FATRAFOL 810/V waterproofing membrane. The minimum recommended thickness of the waterproofing membrane is 1.80 mm for the installation of photovoltaic power plants and 1.50 mm for other structures.

The FATRAFAST profile is attached to the waterproofing membrane by hot air welding on both sides. The welds are always made along the entire length of the profile.

FATRAFAST allows additional structures to be attached to roofs without having to perforate the waterproofing membrane with anchoring elements. For this purpose, FATRAFAST is composed of a reinforcing aluminium bar inserted in the plastic profile. Special self-drilling screws that can be applied without pre-drilling (e.g. Ejot EJOFast JF3-2-5,5xL E16) must be used for subsequent fixing of structural elements to the aluminium reinforcement.

The FATRAFAST profiles must only be installed in accordance with the manufacturer's instructions, which are available from sales or technical representatives or on the manufacturer's website. Before starting the installation, it is necessary to make sure that the waterproofing layer and the underlying waterproofing layers meet the minimum requirements specified in the document *Guidelines for the application of FATRAFAST profiles on flat roofs (PN 5426/2023)*.

PACKAGING

- Paperboard box - 10 pcs (10 or 20 m depending on the length of the profile)
- 16 packs per pallet 800x2000 mm

CERTIFICATION

- According to building technical certificate No. STO - AO 224 - 1401/2023