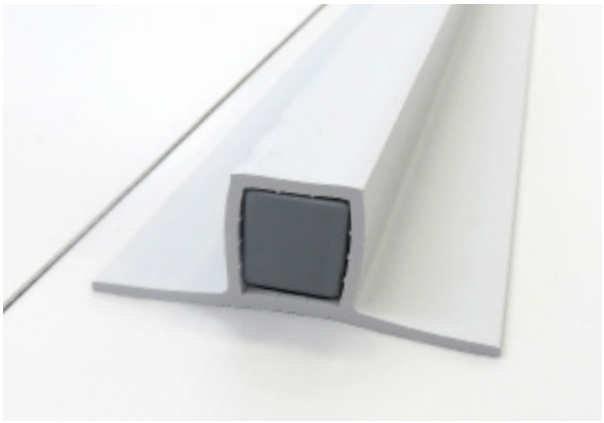
fatrafol®

FATRAFAST

FIXING PROFILE FOR PHOTOVOLTAIC PANELS ON FLAT ROOFS

FATRAFAST is a PVC-P profile with aluminium reinforcement, designed for fixing to the main waterproofing layer of the roof made of mechanically anchored FATRAFOL membrane, using hot-air welding. It is intended for the installation of various structural elements (e.g. spreading grids, structures for photovoltaic panels, systems and equipment, air-conditioning, solar heaters, etc.).

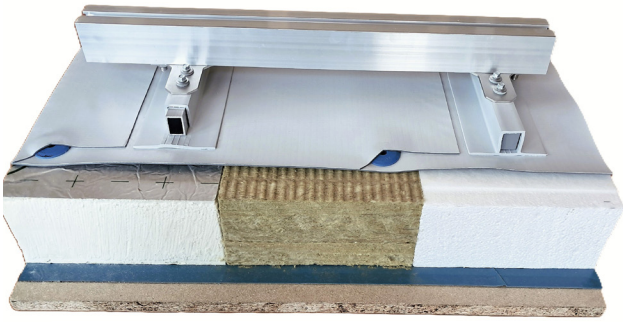


The profile is only recommended for installation on flat roofs, i.e. up to a roof slope of 5°. The minimum recommended thickness of the waterproofing membrane for the installation of the profiles is 1.80 mm.

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APPLICATION

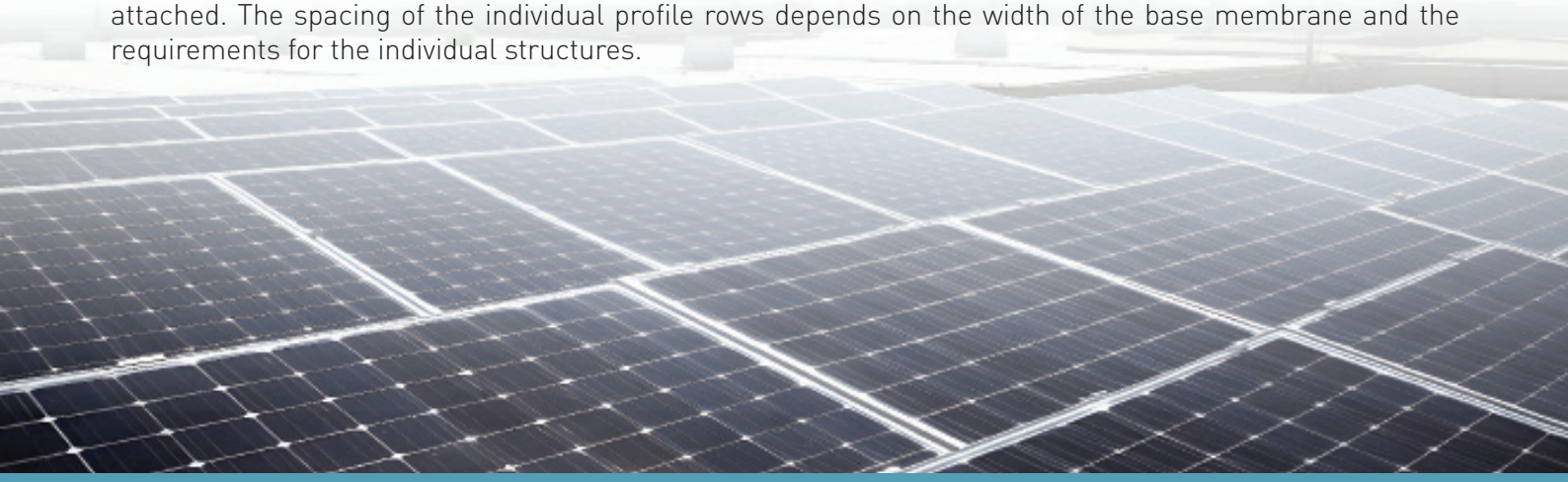
FATRAFAST consists of an extruded vinyl profile and an aluminium reinforcement insert (20 x 25 mm square steel), fitted with a plug at both ends. The lateral collars of the vinyl profile allow to create a high quality hot-air weld with a width of 30 mm on both sides of the profile. The aluminium reinforcement inside the plastic profile allows subsequent fixing of various devices without the need for penetrating the coating for the fixing elements.



Stainless steel screws are used for fixing the structures to the aluminium reinforcement. They are placed in the top wall of the aluminium reinforcement and fixed perpendicular to the surface.

The **FATRAFAST** profile is attached to the FATRAFOL waterproofing membrane by hot-air welding on both sides, using a manual or automatic welding machine. The welds are always made along the entire length of the profile.

The profiles are placed in close proximity to the row of fixing elements on the bottom membrane that is attached. The spacing of the individual profile rows depends on the width of the base membrane and the requirements for the individual structures.



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Profiles applied in the direction of the substrate gradient are placed in a row with a 10 mm expansion gap.

Profiles applied perpendicular to the roof slope shall have a minimum of 100 mm between them to ensure continuous rainwater drainage.

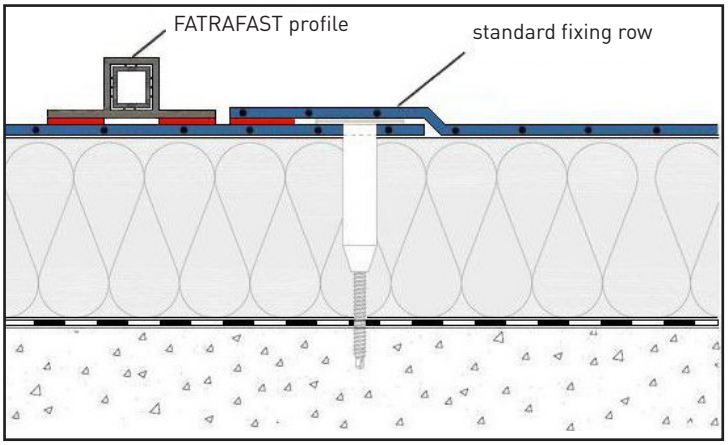


BENEFITS

- Safe connection to the roof waterproofing system without the need for perforating the membrane
- Weldability with FATRAFOL PVC-P membranes using hot air
- Balanced transfer of forces to the roof structure
- Easy and quick installation
- Long durability – comparable to that of FATRAFOL waterproofing coatings
- Low additional load on the roof



POSITION OF THE FATRAFAST PROFILE



DIMENSIONS OF THE PROFILE

Parameter	Value
Height	**33 mm**
Base width	**95 mm**
Length	**1010; 1510; 2010 mm** (+ 1,5 %; - 0 %)
Weight	**1310; 1955; 2610 g**
Colour	**RAL 7035**

We recommend consulting the thermal insulation manufacturers for the suitability of the substrate for the equipment to be installed. The overall load-bearing capacity of the roof structures must be assessed by a structural engineer.