



iFIX

The Fast and Easy
PV Flat Roof Mounting System

Technical Data Sheet

Version May 1st, 2018



gravel

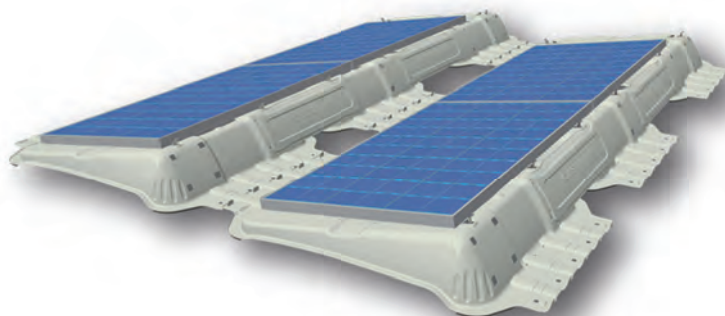


foil



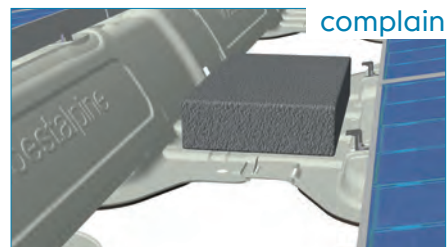
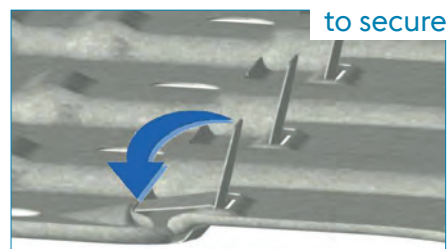
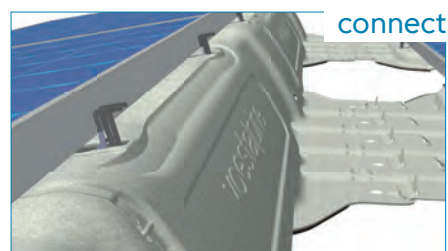
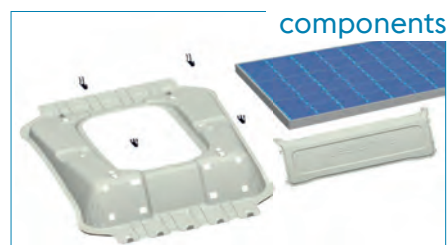
bitumen

Technical Data



Detailed information is available at mounting instructions on: www.voestalpine.com/iFIX

Requirements	Roof inclination maximum 5° Permissible roof skins: Bitumen, plastic foil, gravel. No permanent ponding water on the roof. Wind load zones 1 to 3 (min. distance to shore 3 km) maximum peak velocity pressure 1150 N/m ² Pressure load up to 5.4 kN/m ² Building height: up to 25 m
Areaload	4.47 kg/m ² inclusive protection mats and clamps, without PV and weighting
Module direction	horizontal
Usable PV modules with frame size	minimum 1.638 x 982 mm maximum 1.675 x 1.000 mm Lower horizontal mounting flange required
Grid dimension in row	PV module length +10 mm (maximum 1.685 mm) To calculate length of row, add 400 mm for end sections.
Grid dimension between rows	1.590 mm at 16° shading angle 1.519 mm at 18° shading angle
Height	maximum 231 mm (without PV module)
Module angle	10°
Shading angle	selectable 16° or 18°
Material	Sheet parts made of corrosion protected aluminum-zinc-coated steel sheet Lever clamps: stainless steel
Certificates, tests, standards:	Since June 2017: general building supervisory approval of the German Institute for Structural Engineering (DIBt) Wind tunnel expertise Static according to eurocode tested lightning current load capacity according to DIN EN 50164-1 and DIN EN 62305-3



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