

ecoFix Molla

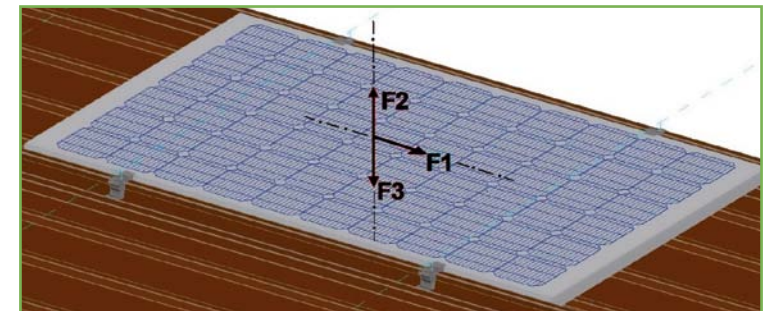
Patented system



Fixing system for photovoltaic units modules with 4 grips

Type	Pitch angle [°]	Value (N)
F1 [SLIDING effect]	0 - 25 25-35	3100 1030
F2 [WIND effect]	-	3200
F3 [SNOW effect]	-	3300

Nominal values



ECOFix Molla – the patented sprung fixing system, designed to guarantee mechanical seal, watertightness and corrosion resistance, made possible by the pairing of top quality materials. This new concept exploits the three-dimensional elasticity of the individual system components in order to build up the necessary mechanical energy to ensure the photovoltaic unit is securely locked in place.

SEAL

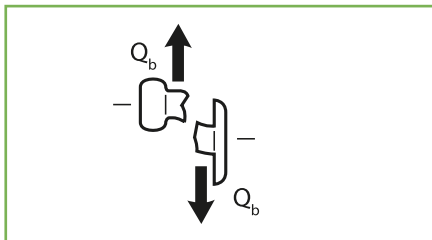
Features	Applicable regulation	Value
Class/type	4102	B2 (normal inflammability)
Rate of resistance to evaporation		≥ 1500 m
Heat resistance		Approx. -40 °C up to $+130$ °C
Compatibility with building materials	52453	Present
Storage period		For short periods up to $+130$ °C practically unlimited at approx. 20 °C
Fixing temperature		From $+10$ °C to $+25$ °C
Permeability of gaps	18055	$a = 0$

RIVET

Material	Thickness [mm]	F_z (N)
Steel	2×0.6	2,100
	2×0.8	2,100
Aluminium	2×0.8	1,908
	2×1	1,847

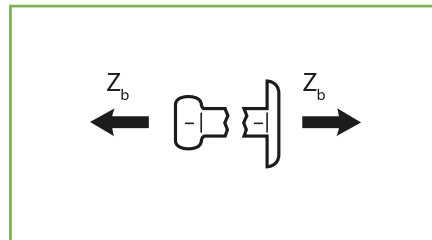


Shear failure load Q_b (N)



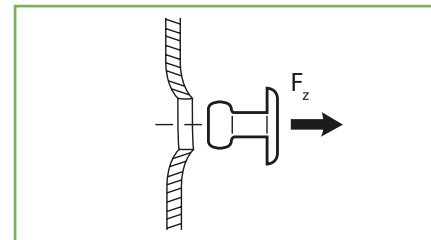
$$\bar{Q}_b = 3300$$

Tensile failure load Z_b (N)



$$\bar{Z}_b = 2050$$

Extraction load F_z (N)



$$\bar{F}_z = \text{Average value}$$