

# ecoFix Molla

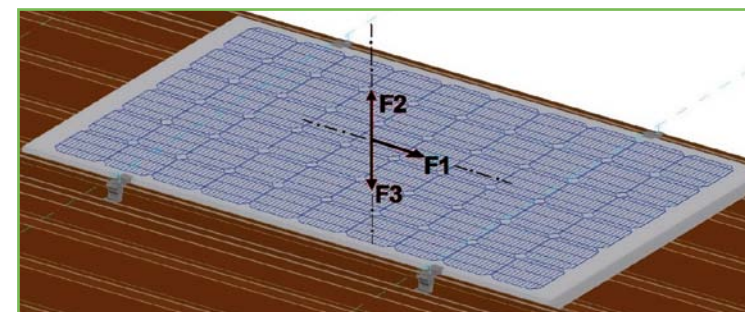
Patented system



## 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

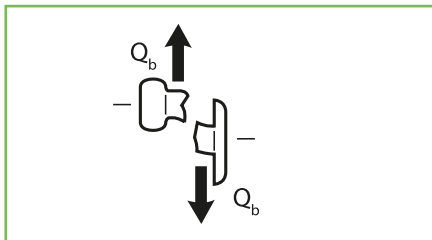
Features	Applicable regulation	Value
Class/type	4102	B2 (normal inflammability)
Rate of resistance to evaporation		$\geq 1500$ m
Heat resistance		Approx. $-40$ °C up to $+130$ °C
Compatibility with building materials	52453	Present
Storage period		For short periods up to $+130$ °C practically unlimited 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	$2 \times 0.6$	2,100
	$2 \times 0.8$	2,100
Aluminium	$2 \times 0.8$	1,908
	$2 \times 1$	1,847

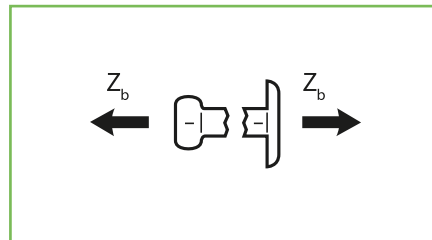


### Shear failure load $Q_b$ (N)



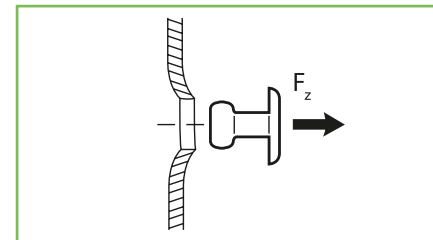
$$\bar{Q}_b = 3300$$

### Tensile failure load $Z_b$ (N)



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

### Extraction load $F_z$ (N)



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