

# SOPRASOLAR FIX EVO TPO PEDESTAL

The **Soprasolar Fix EVO TPO pedestal** is a component of the **SOPRASOLAR FIX EVO Tilt TPO** system, which is a rigid photovoltaic system that is integrated into TPO roof waterproofing.

## Description

The **SOPRASOLAR FIX EVO TPO PEDESTAL** is made up of a height-adjustable pedestal in glass fibre reinforced polyamide that is mechanically joined to a **SOPRASOLAR TPO BASE PANEL**.

It makes it possible to join PV modules to the waterproofing without piercing the waterproofing.

## Components

	<b>SOPRASOLAR TPO BASE PANEL</b>
Reinforcement	Polyester matrix
Binder	TPO
Min. thickness	1.8 mm
Dimensions	370 <sup>+1</sup> mm x 250 <sup>+1/-1</sup> mm
Weight (guidance)	0.16 kg approx.

	<b>ADJUSTABLE PEDESTAL</b>
Material	PA 6 GF30
Height adjustable	from 120 mm to 160 mm approximately
Fastening to the base panel	4 Isolagri washers 4 M6 stainless steel bolts 4 stainless steel washers 4 stainless steel split washers
Min. support surface	578 cm <sup>2</sup>

## Specifications

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	SOPRASOLAR FIX EVO TPO PEDESTAL
Overall dimensions	250 mm x 370 mm x 120 -160 mm
Mass	0.89 kg approx.
Vertical tensile strength	1700 N
Resistance to outdoor conditions	All environments other than mixed, aggressive or severe environments

		SOPRASOLAR TPO BASE PANEL
Maximum tensile force at break (EN 12311-2):	Manufacturer's limit value	≥1100 N/5 cm
Elongation at break (EN 12311-2):	Manufacturer's limit value	15 %
Pliability at low temperature (EN 495-5):	Manufacturer's limit value	-40 °C
Dimensional stability after 6 hours at 80 °C (free shrinkage) (EN 1107-2)	Manufacturer's limit value	< 0.5 %
Static puncture resistance (EN 12730: 2001) method A	Manufacturer's limit value	≥20 kg
Nail tear strength (EN 12310-1):	Manufacturer's limit value	≥500 N
Durability test – temperature ageing: 24 weeks at 70 °C: - pliability (UEATC guide 4.4.1.1 EN 495-5) - Tensile strength - elongation (UEATC guide 4.4.1.1 EN 12311-2)	Manufacturer's limit value	Δ ≤0°C +/- 20 %

Manufacturer's limit value: Manufacturer's limit value: minimum value liable to be provided as part of the quality system

## Use & installation

**SOPRASOLAR FIX EVO PEDESTALS** must be stored on a flat surface protected from bad weather and significant temperature variations.

**SOPRASOLAR FIX EVO PEDESTALS** must be installed according to the **SOPRASOLAR FIX EVO TILT PVC/TPO** installation instructions supplied by **Soprasolar**.

## Specific information

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**Health, safety and the environment:**

**SOPRASOLAR FIX EVO PEDESTALS** do not contain any hazardous components. They generally meets all health, safety and environment requirements.

**Illustration**

