

# SOPRASOLAR

## FIX EVO TILT (Bitumen)

June 2024

### DESCRIPTION:

SOPRASOLAR FIX EVO TILT system is a solar waterproofing solution for flat roofs as a support for photovoltaic panels. It allows connection between the panel and cap sheet membrane without drilling into it and compromising the waterproofing properties of the roof.

### KEY FEATURES:

- High puncture resistance
- Installed without roof drilling
- Quick installation
- No thermal bridging
- Tested up to 200 km/h wind uplift

#### SOPRASOLAR FIX EVO TILT COMPONENTS

The SOPRASOLAR FIX EVO PEDESTAL is a factory assembled height-adjustable pedestal mechanically fastened to a piece of waterproofing membrane.

The LOWER RAISER and the UPPER RAISER allow the addition of a 10% slope to photovoltaic panels.

The RAISER BLOCKER ensures that the raiser blocks stay in place on the pedestals.

#### MATERIAL

Polyamide 6 with 30% fibreglass filler

6060 T6 primary aluminum

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#### DIMENSIONS

##### PEDESTAL

300 mm x 300 mm x 120 mm to 160 mm

##### LOWER RAISER

40 mm x 120 mm x 45 mm

##### UPPER RAISER

40 mm x 120 mm x 200 mm

##### RAISER BLOCKER

50 mm x 125 mm x 25 mm



### INSTALLATION PROCEDURE:

#### Substrate

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.

#### Installation

- Install the cap sheet membrane on the roof.
- Mark the location of the SOPRASOLAR FIX EVO PEDESTAL on the cap sheet membrane according to the pattern supplied by the contractor in charge of the photovoltaic panels.
- Embed the granules in the area where the pedestal will be installed.
- Heat the plastic film on the underside of the pedestal using a propane torch.
- Heat the designated area on the field membrane using a propane torch.
- Heat the underside of the pedestal again.
- Immediately install the pedestal onto the marked area.

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For complete information on product installation, please consult your Equus Representative.

### PACKAGING:

SPECIFICATIONS	SOPRASOLAR FIX EVO TILT
Total weight	1.3 kg
Surface	Granules
Underface	Thermofusible plastic film
Membrane thickness	4.7 mm

### TECHNICAL DATA:

PROPERTIES	STANDARDS	SOPRASOLAR FIX EVO TILT
Reinforcement	-	Non-woven polyester
Tensile strength (initial)	EN 12311	Pedestal base: 6.98 kN Head and rail: 7.14 kN
Tensile strength after UV exposure (EN 16472)	EN 12311	Pedestal base: 7.17 kN Head and rail: 7.10 kN
Resistance to seismic loads (Conditions for Tofino, B.C.)	ICC-ES AC156	Pass

### STORAGE AND HANDLING:

The elements of the system must be stored protected. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

### STATEMENT OF RESPONSIBILITY:

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.

### WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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### MANUFACTURERS CONTACT DETAILS:

Manufacture location	France
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962