



ACCESSORY
PRODUCTS
WATERPROOFING

SOPRASOLAR FIX EVO TILT ROOFS

PHOTOVOLTAIC PANEL SUPPORTS FOR FLAT
OR LOW-SLOPE ROOFS





Jules-Verne School, Vancouver

SOPRASOLAR FIX EVO TILT

PHOTOVOLTAIC PANEL SUPPORTS THAT MAINTAIN THE WATERPROOFING PROPERTIES OF THE ROOF

The SOPRASOLAR FIX EVO TILT system is used as a support for photovoltaic panels on roofs. It makes it possible to link the panel and the cap sheet membrane without piercing it, which could compromise the waterproofing system of the roof. It can be installed on flat or low-slope roofs whether on new or existing buildings.

ADVANTAGES

INTACT WATERPROOFING

- Unlike supports that are mechanically fastened to the roof, the installation of SOPRASOLAR FIX EVO TILT does not require any drilling. Therefore, it does not compromise the waterproofing properties of the roof.

NO BALLAST REQUIRED

- Compared to ballast supports, the SOPRASOLAR FIX EVO TILT system does not require the addition of weight on the roof to keep the supports in place.

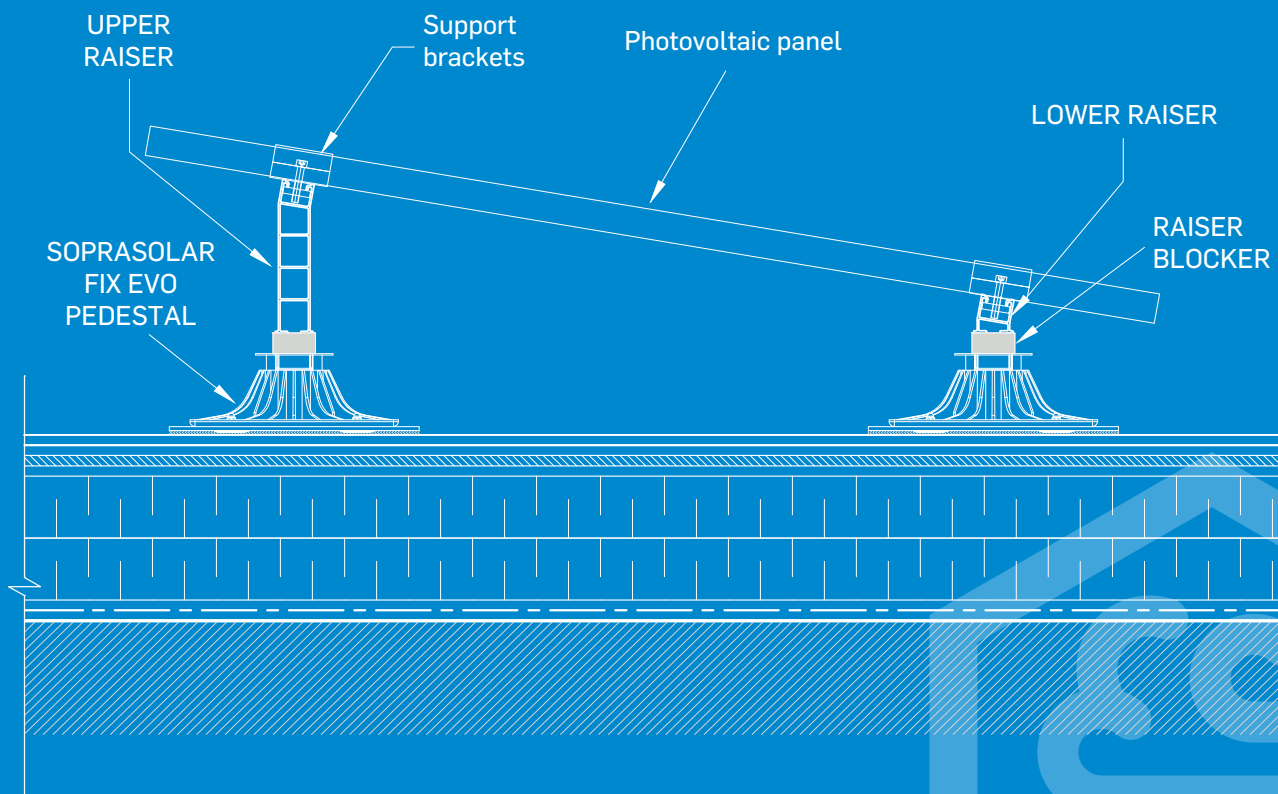
READY-TO-INSTALL SOLUTION

- This solution is ready to use and easy to install and maintain.

NO THERMAL BRIDGING

- Contrary to mechanically fastened systems, this type of support is welded directly to the cap sheet membrane, which prevents heat loss as it does not require drilling into the roof. A superior thermal performance of the assembly is thus ensured.

INSTALLATION DIAGRAM



SUCCESS STORY

Jules-Verne School, Vancouver

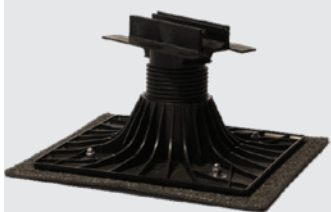
The installation of photovoltaic panels with a total power of 106 kW was completed on the roof of Jules-Verne High School in Vancouver. A total of 262 photovoltaic panels and 574 SOPRASOLAR FIX EVO PEDESTALS were fitted to supply power for student learning tools. The installation was carried out over a four-week period by Terratek Energy in collaboration with Mark Kirk Roofing. SOPRASOLAR FIX EVO TILT was the perfect choice since it ensures a thermal performance superior to competitive mechanically fastened systems, while being significantly lighter than ballasted systems.





INNOVATION

SYSTEM COMPONENTS



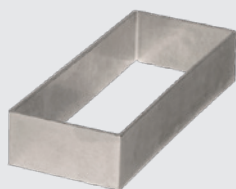
SOPRASOLAR FIX EVO TILT PEDESTAL

The pedestal is height-adjustable and mechanically fastened to a piece of waterproofing membrane pre-assembled at the factory.



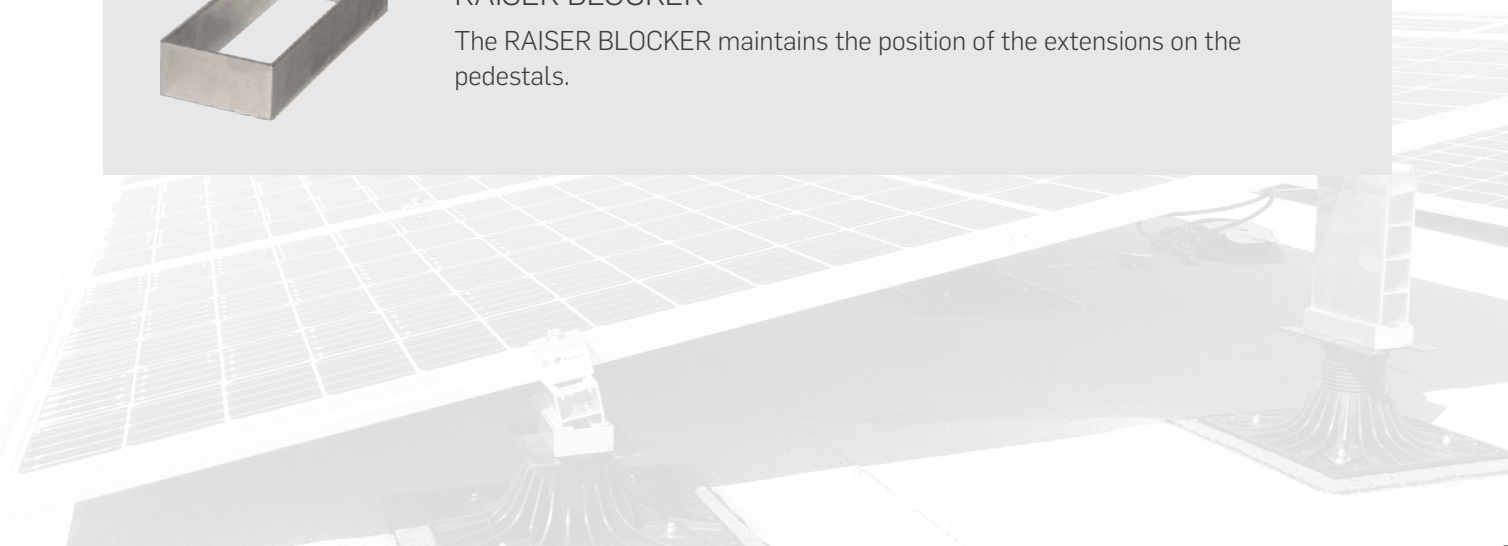
LOWER AND UPPER RAISER

The LOWER AND UPPER RAISER allow for a 10% inclination of the photovoltaic panel.



RAISER BLOCKER

The RAISER BLOCKER maintains the position of the extensions on the pedestals.



INSTALLATION

1



Once the installation of the cap sheet membrane on the roof is completed, mark the location of the SOPRASOLAR FIX EVO TILT PEDESTAL on the cap sheet membrane according to the diagram provided by the contractor responsible for the photovoltaic panels.

2



Impregnate the granules of the area where the pedestal will be installed.

3



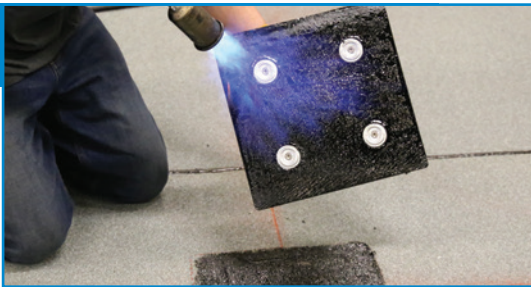
Heat the plastic wrap on the underside of the pedestal using a propane torch.

4



Heat the area where the pedestal will be installed using a propane torch.

5



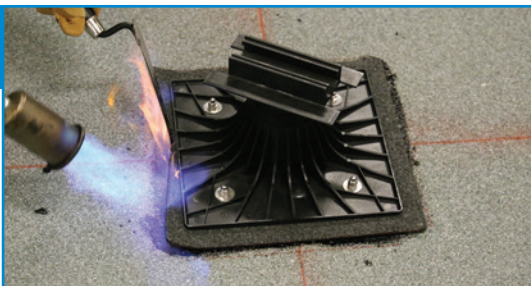
Heat the underside of the pedestal again.

6



Immediately install the pedestal onto the area.

7



Seal the perimeter of the membrane to obtain proper adhesion.

8



Insert the raisers and raiser blocker on the pedestal.

For more details about the installation of SOPRASOLAR FIX EVO TILT, please contact your SOPREMA representative.

INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

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