

## PRODUCT DATA SHEET

# SarnaRoof® Solar Mount-2

### Photovoltaic mounting system

#### DESCRIPTION

SarnaRoof® Solar Mount-2 is an aerodynamic and lightweight mounting system. It was developed for mounting photovoltaic (PV) modules on Sarnafil® roofing membranes on flat roofs. It can be installed in an east-west orientation. The mounting system includes steel brackets, the mounting system includes steel brackets, SarnaRoof® Click fasteners, mounting rails for the modules, and accessories for building a stable PV- system. The PV panels and electrical components are not included in the system.

#### USES

SarnaRoof® Solar Mount-2 is used with Sarnafil® roofing membranes with a minimum thickness of 1.5 mm.

#### FEATURES

- Welded to the Sarnafil® roofing membrane – no horizontal shifting of the PV system and no dependence on friction values for horizontal fastening.
- No penetration of the roofing membrane required.
- East-west orientation
- Few components for quick and easy installation.

#### PRODUCT INFORMATION

<b>Packaging</b>	All Product components are packed and supplied in wooden crates, on pallets or in cardboard boxes according to the specific PV system design.	
<b>Appearance and colour</b>	Surface appearance	smooth, matt finish
	Steel mount	silver (natural metal colour)
	SarnaRoof® Click FPO and base plates FPO	beige
	Other components	silver (natural metal colour)
<b>Shelf life</b>	The mounting system retains its properties when stored properly.	
<b>Storage conditions</b>	The Product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C.	
<b>Dimensions</b>	Length	up to 15 m
	Depth	2.6 m (East-West configuration)
	Height	0.25 m
	Tilt angle of steel mount	7°, not adjustable

The Product is compatible with PV modules with the following dimensions:

Type	framed
Width	975 mm to 1156 mm
Frame height	30 mm to 40 mm

## TECHNICAL INFORMATION

Reaction to fire	SarnaRoof® Click FPO	Class E	(EN 13501-1)
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## APPLICATION INFORMATION

Substrate temperature	Temperature limits for the installation of SarnaRoof® Click fasteners:
Maximum	+60 °C
Minimum	0 °C

## SYSTEM INFORMATION

System structure	<p>The SarnaRoof® Solar Mount-2 system consists of the following components:</p> <ul style="list-style-type: none"><li>▪ SarnaRoof® Solar Mount-2 steel brackets made of magnelis-coated steel sheet</li><li>▪ SarnaRoof® Click FPO and metal clips</li><li>▪ Aluminum mounting rails</li><li>▪ Other fastening materials</li></ul> <p>The PV panels, inverters, and cables are not part of the mounting system. Planning and installation vary for east-west orientation, depending on the available space on the roof and the corresponding wind and snow loads. The number of steel brackets and SarnaRoof® Click fasteners are calculated and determined on a project-specific basis.</p>
Compatibility	SarnaRoof® Solar Mount-2 is compatible with Sarnafil® roofing membranes.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The mounting system with SarnaRoof® Click FPO must be installed and welded shortly after laying the Sarnafil® roofing membrane.

The compressive strength of the thermal insulation must be checked in accordance with the installation instructions, technical rules, and standards.

The SarnaRoof® Solar Mount-2 is designed for installation on mechanically fastened Sarnafil® waterproofing membranes (except for rail fastening).

Note: The thermal insulation must be approved by the manufacturer for use under photovoltaic systems.

For further advice, please contact your Sika partner.

## APPLICATION

This system should only be installed by a Sika-trained installer.

### PV system planning

The design of the PV system must be planned specifically for each project. An approval must be given by the specialist planner/PV system planner.

### Roof pitch

The product is designed for installation on flat roofs with a pitch of up to 5° (or up to 10° with additional measures).

Installation must be carried out in accordance with the current installation instructions.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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