

PRODUCT DATA SHEET

SarnaRoof® Solar Mount-2

Mounting System for the Sika SolarRoof® System

PRODUCT DESCRIPTION

SarnaRoof® Solar Mount-2 is an aerodynamic, light-weight mounting system used in the Sika SolarRoof System. It is designed for the installation of framed Photovoltaic (PV) panels to mechanically fastened or adhered Sarnafil roofing membranes on flat roofs (commercial, industrial, and residential buildings). It can be installed in South configuration or in East- West configuration.

SarnaRoof® Solar Mount-2 is installed with SarnaRoof Click PVC welding flange for the transfer of wind loads to the roof structure. They are hot-air welded directly onto the Sika roof waterproofing membranes by Sika Authorized contractors.

SarnaRoof® Solar Mount-2 includes the steel mounts, SarnaRoof Click PVC, panel mounting rails, wind deflectors and accessories to provide a stable PV array. The PV panels and electrical components are not included in the SarnaRoof® Solar Mount-2 system.

USES

SarnaRoof® Solar Mount-2 is an integral part of the Sika SolarRoof System and is installed on minimum 60-mil Sarnafil S 327 or G 410 membranes.

CHARACTERISTICS / ADVANTAGES

- Secured to the membrane - no horizontal displacement of PV installation
- No membrane penetrations required
- Integrated system - full compatibility with Sarnafil membranes
- Versatility - South and East-West configurations can be made with the same component
- Modular installation - suits the individual roof layouts and requirements
- Few components - fast and easy installation
- Large contact area with the membrane - low compression forces to the roofing system

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories

PRODUCT INFORMATION

Packaging	All SarnaRoof® Solar Mount-2 components are packed and supplied on pallets, or in wood crates or cardboard boxes according to the specific PV system design.	
Shelf Life	The SarnaRoof® Solar Mount-2 components do not expire during correct storage.	
Storage Conditions	The SarnaRoof® Solar Mount-2 components shall be stored in dry conditions.	
Appearance / Color	Surface appearance	smooth, matt finish
	Steel mount	silver (natural metal color)
	SarnaRoof® Click and base plates PVC	white
	Other components	silver (natural metal color)
Dimensions	Depth	51.2" (1.3 m) (South configuration)
		102.4" (2.6 m) (East-West configuration)
	Height	9.8" (0.25 m)
	Tilt angle of steel mount	7°, not adjustable
	PV module Compatibility	
	Type	framed
	Width	39" to 45" (990 mm to 1145 mm)
Frame height	1.25" to 2" (30 mm to 45 mm)	
Weight	Approximate local dead load with PV panels	3.6 lbs/sf (18 kg/m ²)

SYSTEM INFORMATION

System Structure	<p>SarnaRoof® Solar Mount-2 mounting system consists of:</p> <ul style="list-style-type: none">▪ SarnaRoof® Solar Mount-2 steel mount▪ SarnaRoof® Click PVC, metal brackets, and base plates▪ Aluminum short rails▪ Wind deflectors▪ Other miscellaneous attachment hardware <p>The most suitable configuration and the number of SarnaRoof Clicks and base plates per mount is selected on an individual project basis; the design and layout shall be made by a Sika designated PV designer. The PV module installer is responsible for ensuring the correct securement of the PV panels onto SarnaRoof Mount-2, grounding, bonding, and any electrical installation.</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.

AVAILABILITY/WARRANTY

Availability

From Sika Corporation – Roofing Authorized Applicators

for use within Sarnafil or Sikaplan systems.

Warranty

Upon successful completion of the installed roof by the Sika Authorized Applicator in compliance with Sika requirements, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding

transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

SarnaRoof Solar Mount-2 shall be installed over Sarnafil roof systems in accordance with current Sika PV policy.

APPLICATION METHOD / TOOLS

SarnaRoof Solar Mount-2 systems must be installed according to the procedures provided in the installation manual:

- The SarnaRoof Clicks must be hooked carefully into the recess of the lateral profiles of the mounts and secured using the metal brackets.
- The number and location of the SarnaRoof Clicks, metal brackets, and base plates shall strictly follow the details provided by the PV system designer.
- The SarnaRoof Click flanges must be hot air welded to the roof membrane along the entire length (between the arrow marks) using the same welding equipment and process used for the Sarnafil roof membranes.
- The installation of SarnaRoof Clicks on Sarnafil membranes must be performed by Sarnafil Authorized Applicators.
- Do not allow the rack assembly to move during the welding process.

Follow Sika Sarnafil's written application instructions.

APPLICATION

Roof slope:

- The SarnaRoof Solar Mount-2 system is designed for installation on flat roofs with a maximum slope of 1:12.
- The SarnaRoof Solar Mount-2 cannot cross high or low points (e.g., around crickets) on the roof.

PV system design:

- The project specific SarnaRoof® Solar Mount-2 layout, as well as the wind and snow load design for the PV installation, is the responsibility of the PV system designer.

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MAINTENANCE

Standard maintenance of Sarnafil and Sikaplan systems should include regular inspections of flashings, drains and termination sealants at least twice a year and after each storm.

OTHER 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 exact product data and uses.

LEGAL DISCLAIMER

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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