



ROOFING

Sika SolaRoof®

A COMPREHENSIVE, INTEGRATED SOLAR SOLUTION FOR THERMOPLASTIC ROOFS

Sarnafil

BUILDING TRUST



Sika SolaRoof®

Going Above and Beyond the Traditional Racking System



The Sika SolaRoof is a comprehensive, integrated solution incorporating the proven performance of Sarnafil roof assemblies with the Sika SolarMount-1 - an innovative, non-penetrating, engineered solution for long-term securement of solar rooftop photovoltaic.

Sika SolarMount-1 is a lightweight, aerodynamic mounting system for the installation of rigid PV panels on low slope Sarnafil thermoplastic roofs.

The Sika SolaRoof not only offers a proprietary method of attachment with the Sika SolarMount-1 mounting system, but it can be covered by a single-source warranty for up to 20 years as well.

Another benefit of the Sika SolarMount-1 is its versatility. The SSM1 can be assembled in a variety of configurations, in either South or East-West orientations.

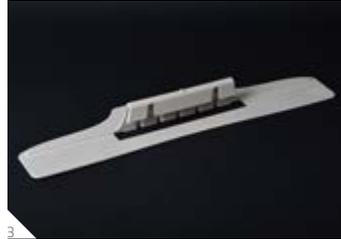
SIKA ROOFING PROVIDES PROVEN PERFORMANCE AND UNPARALLELED EXPERTISE

Selecting the right partner is essential for a successful, sustainable investment in rooftop photovoltaic installation. Extensive experience in the installation of roofing membranes, proven expertise in PV and a long-lasting roofing membrane makes Sika the right choice when long-term solutions are what you desire.

Actual performance in the field over time is the only true test of a roofing system's quality. Over the past 50+ years, billions of square feet of Sarnafil membrane have performed with distinction. Along with protection from the elements,

Sarnafil's versatile single-ply membrane systems also boast sustainability features like unparalleled longevity, outstanding energy efficiency and minimal maintenance. Sarnafil membranes are the only products to have achieved a Platinum rating according to the NSF/ANSI 347 sustainability assessment for single-ply roofing membranes.

Investing in a Sika SolaRoof system will be a decision that rewards you with peace of mind, reliability, energy savings and the highest standard of quality - a claim that has been proven against the test of time.



- 1 Complete SSM1 installation for up to four PV panels
- 2 Mount and Sika SolarClick
- 3 Sika SolarClick
- 4 Sika SolarClick being welded to the membrane

Sika SolarMount-1

- The SolarMount-1 is welded to the membrane, which means ballast is typically not required. This makes the system ideal for most lightweight roof structures.
- While many other products use rails installed directly on the membrane, which might hamper the flow of water, the SSM1 does not require connecting rows with each other.
- The SSM1 can be installed quickly and simply, meaning lower construction costs.
- No slip sheets are required with the system.
- The horizontal rails on the SSM1 limit bending to avoid PV panel microcracking from wind, snow and other forms of loading.

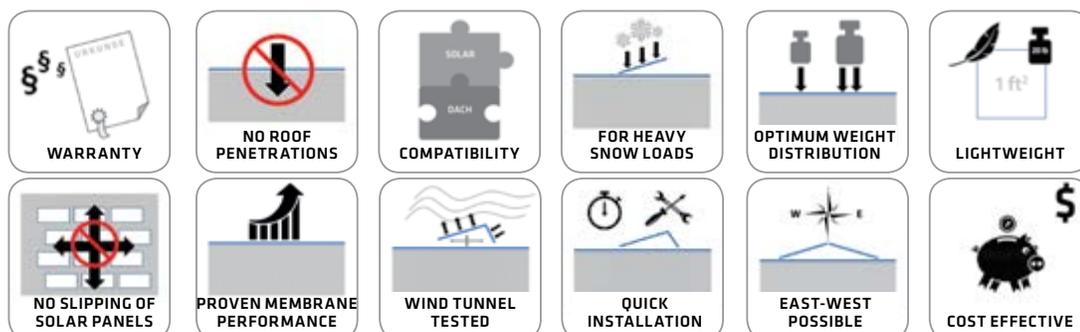
Sika SolarClick

- The key component of the SolarMount-1 is the Sika SolarClick welding flange. The SolarClicks, which are made with the same formulation as Sarnafil membranes to avoid compatibility issues, are mounted to each support. They provide a large contact area, critical for uniform load distribution in order to reduce compression loads on the thermal insulation. This, in turn, reduces ponding water.
- Installation of the Sika SolaRoof system does not require any roof membrane penetrations, eliminating potential leakage points and reducing maintenance. Instead, the SolarClicks are welded directly to the membrane using standard hot-air welding equipment. This removes the potential for roof damage due to lateral movement that can occur in ballasted systems relying on friction.

TRIED AND TESTED

- The Sika SolaRoof has been tested and successfully meets the criteria for asymmetric Class A spread of flame testing for low slope design of the mounting system on Sarnafil membrane in accordance with UL 1703.

Sika SolaRoof ADVANTAGES



Sika SolaRoof® IS THE COMPLETE PV SOLUTION

TRADITIONAL RACKING SYSTEM IS:

Piecemeal: roofing membrane and PV racking system sold separately

Invasive: traditional racking systems typically require penetrating the roofing membrane

Hazardous: since they are not welded directly to the roofing membrane, many racking systems have the potential to cause rooftop damage due to lateral movement

Heavy: most racking systems require ballast for securement, increasing load on the roof

Risky: potential for compatibility issues between racking system components and roofing membrane

Complicated: separate warranties are typically required for the roofing membrane and the racking system

Sika SolaRoof IS:

Comprehensive: Sarnafil membrane and Sika SolarMount-1 sold together as one integrated system

Non-penetrating: thanks to the Sika SolarClick welding flange, there are no potential leakage points

Stable: the Sika SolarMount-1 is secured directly to the roofing membrane, eliminating the potential for damage

Lightweight: ballast is typically not required, making the system ideal for lightweight roof structures

Trustworthy: incorporates the proven performance of Sarnafil roof assemblies with the innovative Sika SolarMount-1 for long term securement

Simple: the entire Sika SolaRoof system is eligible for Sika's single-source warranty up to 20 years

WHO WE ARE

The commercial roofing industry has relied on thermoplastic single-ply membranes from Sika for more than 50 years to achieve sustainable roofing and waterproofing solutions.

Sika is a globally active specialty chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, facades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting load-bearing structures. Sika's product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.



SERVING YOUR NEEDS WORLDWIDE FROM ROOF TO FLOOR



Sika Corporation can assist you with your construction needs from roof to floor. Call 1-800-576-2358 to learn about our complete building system solutions.

SIKA CORPORATION • ROOFING
100 Dan Road • Canton, MA 02021 • USA
Tel: 781-828-5400 • Fax: 781-828-5365
usa.sarnafil.sika.com

Sarnafil®

BUILDING TRUST

