



# ROOFING

## Sikaplan® ROOF SYSTEM

PVC PERFORMANCE AT A COMPETITIVE PRICE

**BUILDING TRUST**



# A COST COMPETITIVE ROOFING SYSTEM FROM THE LEADER IN THERMOPLASTIC TECHNOLOGY

Sikaplan® Roofing Systems are ideally suited for applications that call for a quality, cost competitive roofing membrane from a trusted supplier. And who better to trust than the industry leader.

## LEADING THE CHARGE

In 1962, Sika pioneered the use of PVC for roofing applications developing the world's first thermoplastic membrane with billions of square feet sold to date. No one has more knowledge of PVC and thermoplastic roof membranes than Sika. Our Sarnafil roofing membranes are the most trusted PVC sheet for long lasting durability in the industry.

Sarnafil®, the world's first reinforced thermoplastic roof membrane, is introduced.

62

Sikaplan reinforced thermoplastic roof membrane is introduced

77

The first felt-backed membrane is created.

87

The first "post-consumer" recycling program of singly-ply roofing is introduced. Membrane "take-back" program reduces waste to landfill.

05

The first fiberglass, mat-reinforced roofing membrane for adhered applications is developed.

65

Colored membrane is introduced for the first time ever.

79

EnergySmart® roof membrane is introduced with high reflectivity and emissivity to promote energy efficiency.

98

# Sikaplan®



## WITH RELIABILITY COMES PEACE OF MIND

Sikaplan membranes boast features such as low maintenance, durability, reflectivity, and watertight performance on roofs of any design, shape or pitch.



## MEET YOUR SUSTAINABILITY GOALS

Sikaplan membranes are available in EnergySmart White, Tan and Reflective Gray, with and without a felt backing. EnergySmart membranes meet the cool roofing requirements of USGBC's LEED® program, Green Globes® and California Title 24.



## INTERNAL GLASS MAT OR POLYESTER SCRIM REINFORCEMENTS

In keeping with Sika's high standards, an internal or polyester scrim layer provides superior dimensional stability and/or tear resistance no matter what installation method is used.





#### **SUPERIOR FIRE PERFORMANCE**

While fire safety codes have greatly improved over the years, losses from fire are still an ongoing issue. One of the most vulnerable components of a building when exposed to fire is the roof. Being PVC, Sikaplan membranes are naturally fire retardant.



#### **PROFESSIONAL INSTALLATION**

As with Sarnafil membranes, Sika allows only authorized applicators to install Sikaplan roofing systems. These applicators are trained by Sika to ensure a high level of quality.



#### **LACQUER COATING**

Sikaplan membranes are manufactured with a unique coating, which helps repel dirt and airborne contaminants from the membrane's surface.



#### **HOT-AIR WELDED**

Like all Sika membranes, Sikaplan is thermoplastic, allowing seams and flashings to be hot air welded using an automatic hot-air welder. When welded together, the sheets of membrane become one monolithic layer of material impervious to water and moisture infiltration.



#### **FIRST CLASS SERVICE**

Both national and local technical support services are available. The company's support team provides the most coverage in the industry with field technicians located in every region of the country.



# BENEFIT FROM PVC PERFORMANCE AT A TPO PRICE

From retail facilities to warehouses, Sikaplan roofing systems have been providing reliable protection to facilities around the world for over 40 years.

## SIKAPLAN MEMBRANE

Sikaplan is a single-ply PVC roofing membrane designed for low-slope roofing applications. The membrane has an internal polyester scrim reinforcement and is designed to be used in both mechanically-fastened and adhered applications.

## ADHERING SIKAPLAN

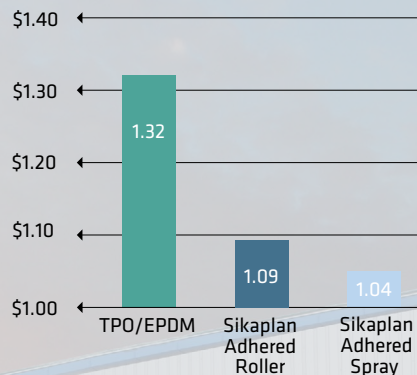
When used in combination with Sikaplan Single-Step Membrane Adhesive, Sikaplan is as cost competitive as adhered TPO due to improved adhesive coverage rates and the one-step application versus TPO's two-steps. This environmentally preferable water-based adhesive also lowers costs by minimizing material usage through the use of recommended application methods and by facilitating faster applications.

## PVC OUTPERFORMS THE OTHERS TIME AFTER TIME

TPO membranes have not experienced the same performance success as PVC and have had a number of failures since being

introduced. EPDM seams are glued or taped rather than heat-welded; this seaming method breaks down over time compromising the water tightness. Sikaplan's proven track record of successful installations spans more than 40 years. Why settle for a less reliable product on your building?

## Installed membrane Cost Comparison of Adhered Systems Per Square Foot



## SIKAPLAN PRODUCT SPECIFICATIONS

<b>Color</b>	EnergySmart White, Tan and Reflective Gray
<b>Thickness</b>	Available in 60 mil for bareback and feltback membranes*
<b>Reflectivity</b>	0.85**
<b>Emissivity</b>	0.89**
<b>SRI</b>	107**
<b>Roll Size 60 mil</b>	5 ft. x 100 ft. and 10 ft. x 100 ft.***

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

\*Contact your local Sika roofing representative for up to date product offering

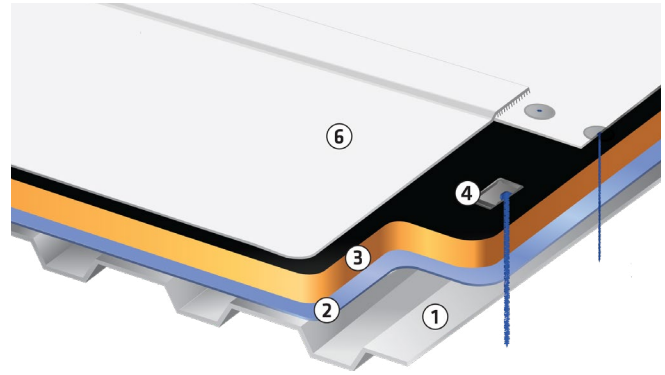
\*\*Based on EnergySmart White

\*\*\* Feltback only available in 10 ft. wide

### ILLUSTRATION KEY

- |   |                              |   |                                 |
|---|------------------------------|---|---------------------------------|
| 1 | Structural Deck              | 4 | Insulation Fastener             |
| 2 | Vapor Retarder (If Required) | 5 | Gypsum Roof Board (If Required) |
| 3 | Insulation                   | 6 | Sikaplan Membrane               |

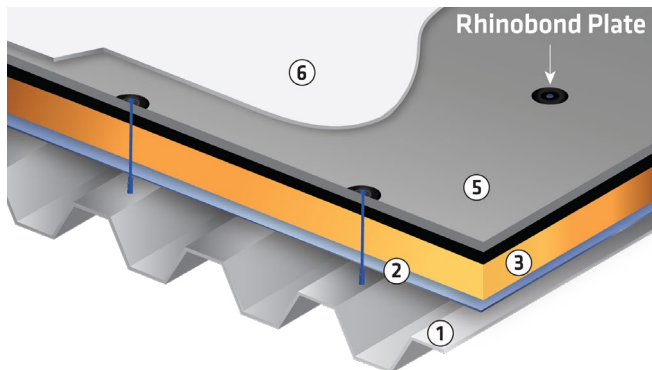
## MECHANICALLY ATTACHED



### SIKAPLAN MECHANICALLY-ATTACHED SYSTEM

This mechanically-attached system is your best choice when speed and ease of installation are important. It features metal plates fastened in the membrane overlap and spaced according to the roof's wind uplift requirements. It is designed to meet wind conditions on most building types.

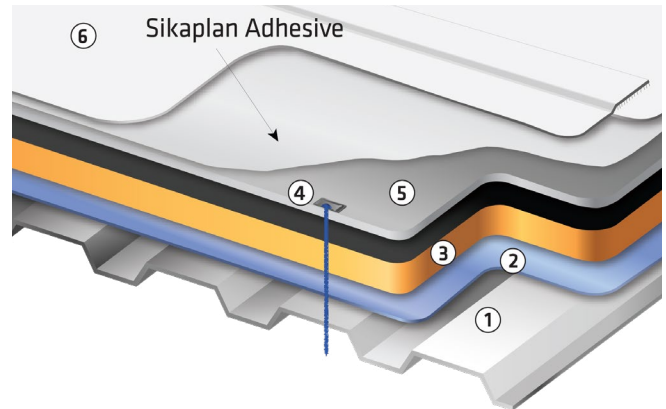
## SPECIALTY SYSTEM



### RHINO BOND ROOF SYSTEM

This innovative attachment system is used with Sikaplan membranes to increase contractor productivity and enhance roof wind uplift resistance. It uses electromagnetic induction welding to eliminate fastener penetrations through the membrane. Specially coated membrane plates are fastened to the roof assembly and later fused to the underside of the membrane using the RhinoBond tool, which is lightweight, portable, and simple to use. The system achieves an FM I-90 rating in the field while requiring 30 percent fewer fasteners per square than traditional systems.

## ADHERED



### SIKAPLAN ADHERED SYSTEM

The Sikaplan Adhered roof system is best for low sloped applications over nonavailable substrates such as precast or prestressed concrete, cementitious wood fiber or gypsum. It is also effective over nailable substrates such as concrete, steel and wood decks. When used in combination with Sikaplan Single-Step Membrane Adhesive, it can be more cost effective to install than an adhered TPO system.





RhinoBond





# EASY ON THE EARTH AND THE POCKET

Along with protection from the elements, Sikaplan systems also have sustainability features such as energy efficiency, recyclability and minimal maintenance. These features help building owners generate a positive Return On Investment while meeting their sustainability goals and protecting the earth's natural resources.

According to U.S. Department of Energy estimates, replacing dark colored roofs with light colored, reflective roofs could result in energy savings of about \$750 million per year in the United States<sup>1</sup>.

The Sikaplan system has a successful track record of more than 40 years protecting buildings throughout the world. So if you're looking for the high performance of a PVC system at a competitive price, look to the trusted industry leader – Sika.



- Sikaplan roofing systems help building owners achieve LEED and Green Globes certification.
- Sika has been certified as compliant with strict management standards established by ISO 14001: 2004, a leading independent organization developing standards relating to environment, health and safety, and security.
- The Sika roofing production facility has completed the Supplier Ethical Data Exchange Members Ethical Trade Audit that focuses on labor standards, health and safety, environment and business practice.

⇒ TO LEARN MORE ABOUT SIKAPLAN®, PLEASE CALL 866-255-3738, OR VISIT [USA.SIKA.COM/SARNAFIL](http://USA.SIKA.COM/SARNAFIL)



<sup>1</sup> Lawrence Berkeley National Laboratory, *Potential Benefits of Cool Roofs on Commercial Buildings*, March 2009

# WHY CHOOSE SIKAPLAN?

## SIKAPLAN IS:



### PROVEN

Over 35+ years of performance history from Sika, the creators of Sarnafil and the world leader in producing thermoplastic roof membranes.

### NO RISK

No edge sealant needed to prevent water absorption.



### WATERTIGHT

Distinct “bleed out” during seam welding and the ability to probe the seam immediately makes watertightness quality control easier.

### EASY REPAIRS

Ability to repair aged membrane with new membrane not an issue.



### SUPERIOR FIRE RESISTANCE

PVC membrane is inherently fire resistant and does not continue to burn once a flame is removed.

### DETAILING EASE

Sikaplan PVC is flexible and makes detailing easy, even in cold weather or with thicker membranes.



## BUILDING TRUST, EVERY DAY

With over 100 years of experience, Sika is a worldwide innovation and sustainability leader in the development and production of systems and products for construction, as well as the marine, automotive, and renewable energy manufacturing industries. Sika has offices in over 100 countries with over 300 manufacturing facilities and more than 27,000 employees worldwide. With annual sales of 9.5+ billion dollars in 2021, our commitment to quality, innovation, and the environment as well as putting our customer's needs first, encompasses why Sika is a global leader in our industries. Sika, Building Trust.

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



LEED® is a trademark of the U.S. Green Building Council.  
Green Globes® is a trademark of the Green Building Initiative.

## SIKAPLAN WARRANTY OPTIONS

A variety of warranty options are available, including 5, 10, 15, and 20 year durations for full system or membrane only.

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