

## Metal Retrofit System



**Sarnafil®**



## Sika Sarnafil stops leaks. So your operation can keep going.

Initially, metal can be an attractive roofing alternative for cost or aesthetic reasons. But weather takes its toll over time, eventually causing leaks. Finding and repairing the leaks is a challenge. Most solutions, such as caulking and coatings, are temporary at best. You need a permanent solution that will eliminate leaks, have a long service life, and offer low maintenance and life-cycle costs.

### You Know What Causes the Leaks But How Do You Stop Them?

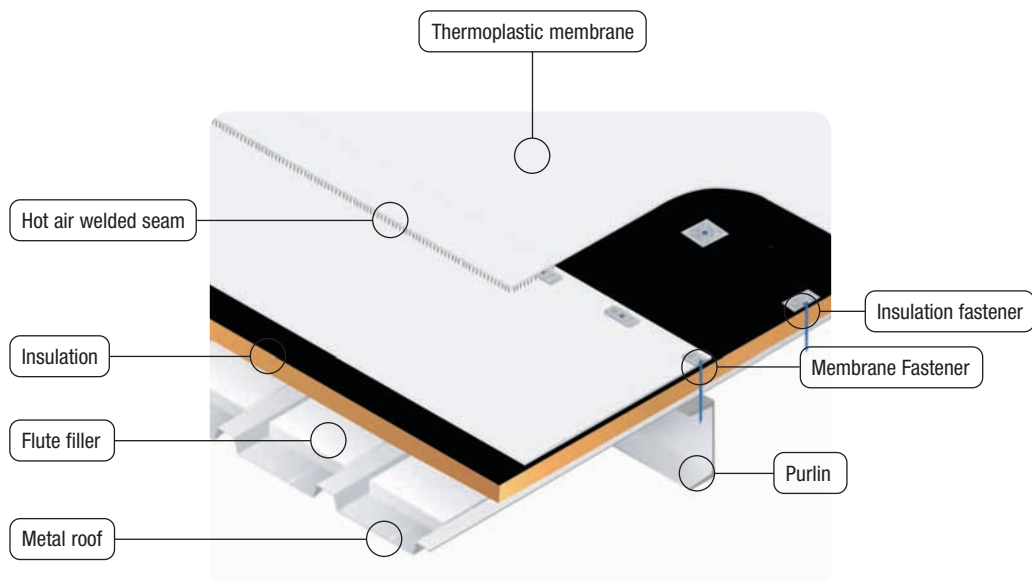
You've experienced the leaks, the condensation, or the rusting and corrosion, and now you are looking to put a stop to it. Like many decisions, there are quick fixes and there are long-term solutions.

■ *Caulking the joints and applying a waterproofing coating* – This is the quickest and initially most inexpensive solution. It involves using caulking to seal the joints and applying a coating to the roof surface. While this might stop leaking for the short term, the roof will continue to expand and contract with the temperature changes, compromising the coating and sealants leading to more leaks.

■ *Insulate the roof with spray urethane foam and apply a sealant* – To help stop condensation, urethane foam with a waterproof coating can be applied on the rooftop to help insulate the roof. However, the foam often creates irregular surfaces that make the roof susceptible to ponding water. In addition, the coating requires continual maintenance to preserve its waterproof integrity. If a problem with the system should develop, removing the spray foam can damage the roof and is very costly.

■ *Replace the roof* – You could replace the roof entirely with another metal roof, but this option is expensive and disruptive to building operations. And, you will eventually have to address the same roof issues in the future.





### Solve the Problem and Save Money Over the Life of the Roof.

Solve the problem for the long-term with Sika Sarnafil's Metal Retrofit System. There is no need to reseal, coat or replace your roof with the Sika Sarnafil solution. The system is installed directly over your existing metal roof. The result is a long lasting roof that requires little maintenance and has a very low life-cycle cost. In addition, the highly reflective surface of Sika Sarnafil's EnergySmart Roof® membranes combined with the additional system insulation will greatly reduce roof surface temperature and heat transfer into the building, keeping the interior cooler and saving you money on cooling costs.

### You Can Be Confident in the Sika Sarnafil Solution.

Recovering your metal roof with thermoplastic membrane is a cost effective, long-term solution that allows you to stop worrying about leaks. Unlike metal roofs, where penetrations and detailing are common sources for leakage, thermoplastic hot-air welded seams and flashings remain watertight. When the membrane is hot-air welded, the watertight seams that are created are permanent and are even stronger than the membrane itself. Sika Sarnafil has been manufacturing long-lasting, high-quality roofing systems for more than forty years, longer than any other thermoplastic membrane manufacturer. So selecting Sika Sarnafil's Metal Retrofit System will give you peace of mind, knowing that you have purchased a roofing system that is proven to perform for decades.



### Design Options

To make your metal roof watertight and retain its original appearance, consider the Sarnafil Décor Roof System. A Décor Roof System provides you with the look of a metal roof by adding a choice of ribs to the roof surface that simulates a standing seam or batten seam metal roof. It will give you the aesthetics of a metal roof with the integrity of Sika Sarnafil's hot-air welded thermoplastic membrane. The systems are the ideal choice for buildings that call for the appearance of metal yet require maximum watertight performance. And, with Décor, you can choose from a variety of membrane colors to meet your design objectives.



Décor is available in seven standard colors: White, Tan, Light Grey, Patina Green, Lead Grey, Copper Brown, Evergreen, or an unlimited number of custom colors.

### Tired of your leaking metal roof but aren't sure what's causing the leaks?

Here's some problems and causes that might be ailing your roof.

#### ❖ Metal Corrosion

Rusting and corrosion of metal roofs occur from normal precipitation and acid rain as well as ponding water. Over time, this corrosion makes its way through the metal, leaving holes for water to penetrate.

#### ❖ Expansion and Contraction

As seasons and temperatures change, leaks can occur. As the metal roof expands and contracts, fasteners loosen at the joints. The thermal movement ends up leaving loose seams and cracks at penetrations leading to leaks in your roof.

#### ❖ Condensation

Metal roofs are difficult to seal and insulate. Moist interior air can condense on the back side of the metal. The condensate drips into the building, causing the same problems as leaks.

#### ❖ Transition Areas

Metal roofs are only watertight if the slope is adequate. Transitions, valleys and interior gutters are prone to leaking with metal roofing.

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Sika is a globally active company in the specialty and construction product and chemicals businesses. It has subsidiary manufacturing, sales and technical support facilities in more than 70 countries around the world.

Sika is THE global market and technology leader in waterproofing, sealing, bonding, dampening, strengthening and protection of buildings and civil engineering structures.

Sika has more than 12,000 employees worldwide and is therefore ideally positioned to support the success of its customers.



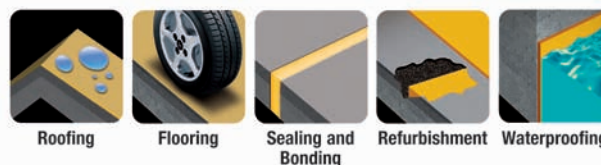
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