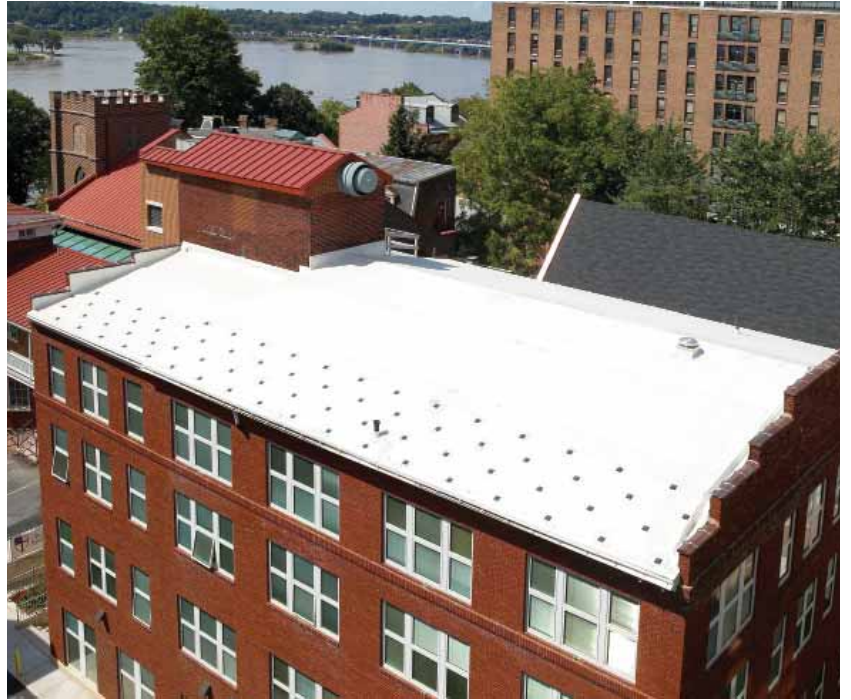




**VERSIWELD TPO**



Versico's TPO Metal Retrofit Systems



**BUILDING PERFORMANCE**



# VERSIWELD

## TPO ROOFING SYSTEMS

Metal buildings are often chosen because of their cost-effective design and speed of construction. However, when the metal roof begins to leak and deteriorate replacement can be very costly. With decades of experience in single-ply roofing, Versico Roofing Systems has a wide range of metal retrofit options.

Versico's VersiWeld® TPO can be installed over an existing standing seam metal roof to offer proven, long-lasting protection while increasing the energy efficiency of the building. This solution can be more cost effective than replacing the metal roof while proving to be a much longer-term solution compared to coatings.

## WHY CHOOSE A VERSIWELD TPO METAL RETROFIT SYSTEM?



### RE-ROOFING SOLUTIONS

Convenience, value, and performance are three critical considerations when it comes to the success of any re-roofing project. A VersiWeld TPO Metal Retrofit System offers the following features and benefits:

#### Convenience:



Installs directly over the existing metal roof eliminating costly and disruptive removal and replacement.



Multiple membrane and insulation options to meet a variety of performance, budget, and efficiency needs.

#### Value:



Highly reflective TPO membranes offer additional energy savings.



Improves R-value and energy efficiency of the building while reducing noise for occupants.

#### Performance:



TPO's proven history of long-term performance provides a lasting solution compared to coatings and spray-applied restoration products.



Backed by Versico's industry-leading Total System Warranty for up to 20 years, with optional hail, puncture and reflectivity warranties available upon request.

#### Membrane Options

VersiWeld TPO membranes use advanced polymerization technology that combines the flexibility of ethylene-propylene (EP) rubber with the heat weldability of polypropylene. All VersiWeld TPO membranes include OctaGuard XT™, a blend of industry-leading weathering ingredients to enable VersiWeld TPO to stand the test of time.

Versico's VersiWeld and VersiWeld HS TPO membranes are available in highly reflective white, tan, and gray colors, in both 45-mil and 60-mil thicknesses. 80-mil VersiWeld Plus is also offered in white, gray, and tan colors. VersiWeld HS Color TPO membranes are also available in 5 special colors. Additionally, Versico offers VersiFleece TPO in 100, 115, and 135-mil thicknesses for added puncture resistance and uplift performance.

#### VersiWeld TPO Colors In Stock



White

Gray

Tan

#### VersiWeld TPO Special Colors



Medium Bronze

Rock Brown

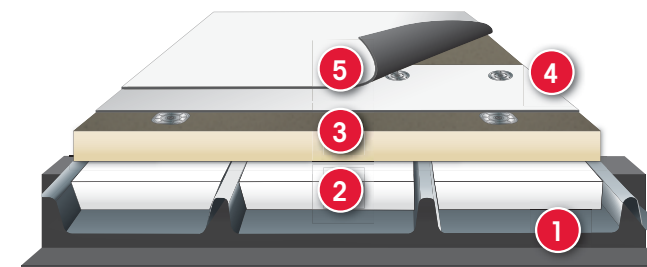
Slate Gray



Terra Cotta

Patina Green

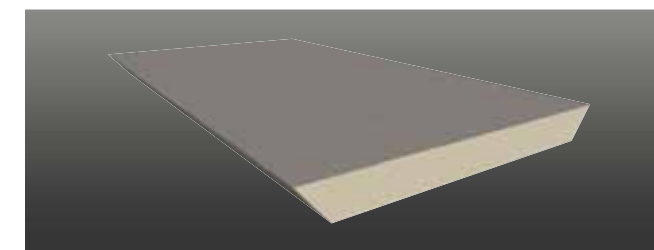
#### Installing a TPO Metal Retrofit System



- Existing Standing Seam Metal Roof**
- Flute Fill Insulation:** a key component of a metal retrofit system is the addition of custom-fit insulation between the standing seams of the metal roof panels. Versico offers both EPS (expanded polystyrene – shown) and Polyiso flute-fill insulation that can be factory cut to fit between each metal panel. This insulation layer also adds R-value and can be loose-laid or adhered.
- Additional insulation:** once flute-fill has been installed, additional insulation ranging from a ¼-inch cover board to several inches of Polyiso insulation can be installed to create a smooth flat substrate for the membrane. Adding thicker Polyiso insulation and cover boards can add additional R-value to the system. Using a high-compressive strength Polyiso cover board or gypsum cover board can also enhance impact resistance and fire resistance.
- Attachment:** the VersiWeld TPO membrane can be mechanically attached using fasteners and plates, attached using induction welding plates, or fully adhered using a TPO bonding adhesive. See the back cover for more information on each attachment method.
- VersiWeld TPO Membrane:** the adjoining TPO membrane sheets are hot-air welded together using an approved hot-air welder.

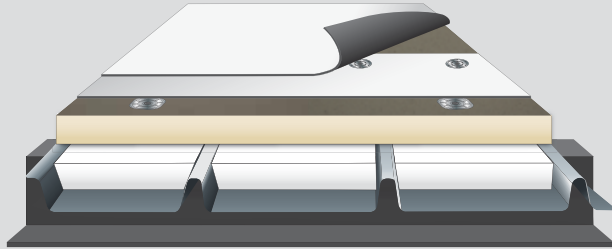


EPS Flute Fill



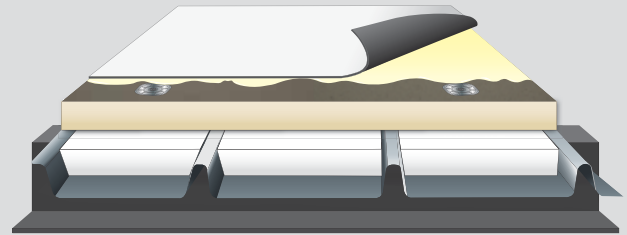
Polyiso Flute Fill

## System Types



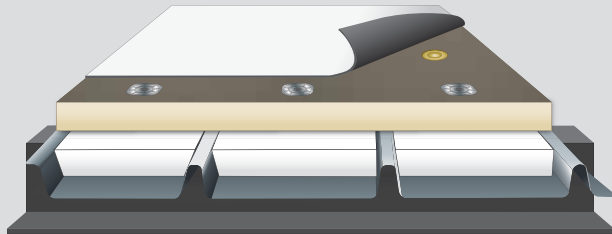
### Mechanically Attached

- Membrane is loose laid and attached to structural purlins using plates and fasteners
- Low installed cost with moderate wind uplift performance
- No fumes or odors from adhesives



### Fully Adhered

- Insulation is attached using fasteners and plates. Membrane is adhered using TPO bonding adhesive or CAV-GRIP® 3V Adhesive
- Excellent wind uplift performance and appearance
- Allows for the use of membrane sheets up to 12' wide for fewer seams



### Induction Welded

- Specially coated plates are fastened to structural purlins and bonded to the membrane using an induction welding tool to secure the membrane
- Similar installed cost and performance to a mechanically attached system
- Allows for the use of membrane sheets up to 12' wide for fewer seams



### Non-Penetrating VersiFleece® Application

- Insulation and Fleece-backed TPO membrane installed using Flexible DASH urethane adhesive
- Non-penetrating design and low odor Flexible DASH adhesive provide minimal disruption and noise to occupants during installation
- Superior wind uplift performance
- Highly resistant to impacts and punctures with additional hail, cut, and puncture warranty coverage available



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