



The Smarter Choice

FOR TPO

BUILDING VALUE



Question and Answer

Why is Versico the Smarter Choice?

In today's fast-paced marketplace, manufacturers are rushing to be a part of the growing demand for TPO roofing systems. Many of these manufacturers have little to no TPO or single-ply roofing experience. The Smarter Choice is to select a manufacturer who has been making and supplying TPO for nearly 20 years: Versico.

How is Versico different from other manufacturers?

Versico's research and development team is continually testing and improving VersiWeld® TPO to make it the smartest choice available. Unsurpassed technical support is provided through one of the industry's largest networks of field service representatives, support which is critical to ensure that your roofing project is completed within the designated timeframe and budget.

- As many as 60 field and office technical support personnel
- Extensive independent representative network that is second to none
- Knowledgeable resources in your area to quickly provide assistance

What's the benefit of choosing Versico?

Because Versico has been manufacturing and providing TPO for so many years, there is an extensive network of features and benefits that Versico can bring to your job, including:

- Over 400 points of distribution for easy access and fast deliveries
- Manufacturing facilities located across the U.S.
- Insulation, fasteners, membrane and a complete line of accessories
- A wide range of sheet sizes
- Time-saving prefabricated and custom accessories for any hard-to-handle detail
- Short lead-times and factory quality on all custom accessories
- Industry-leading warranties

**Superior products, exceptional service, and unsurpassed availability are just three of the reasons why Versico is
A Single Source for Single-Ply Roofing.**

The Smarter Choice

FOR TPO

Thermoplastic polyolefin (TPO) is the fastest-growing segment in the commercial roofing industry. To take advantage of this recent popularity, a growing number of companies have begun offering TPO single-ply membranes. Unfortunately, not all TPO is created equally. Your building deserves a TPO roofing system provided by the manufacturer that has been at the forefront of TPO research, development and technology since the inception of TPO as a roofing membrane.



10 things to consider

when investing in a TPO roofing system

1 Experience and Innovation

Versico: Leading the industry in TPO research and development for nearly 20 years. Billions of square feet of TPO membrane have been installed on rooftops across the globe. That's more than any other manufacturer.

The Other Guys: Minimal manufacturing, warranty and installation experience in some cases.

Protect Your Investment: Require that your TPO membrane be manufactured by a company with at least 10 years of TPO manufacturing experience.

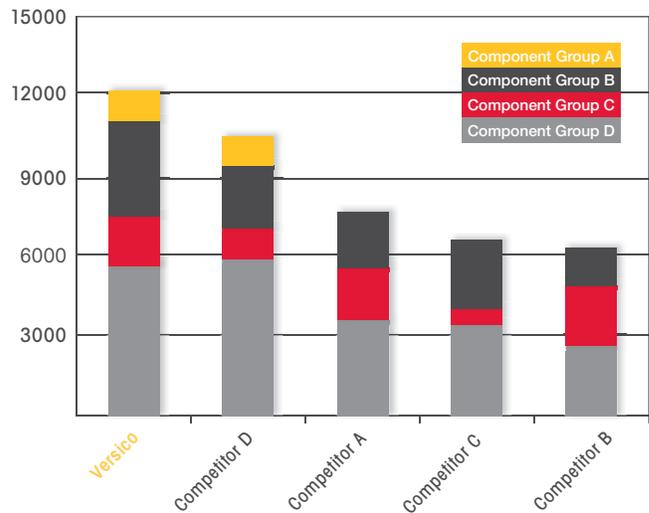
2 Weathering Package

Versico: Xenon arc and long-term heat aging shows that Versico's TPO membrane tests to the highest standards in the industry. That's because every TPO membrane is enhanced with OctaGuard XT™ Weathering Package, a unique eight-component blend of antioxidants and UV absorbers, as well as light and heat stabilizers that results in the most dependable, long-term performance characteristics in the industry.

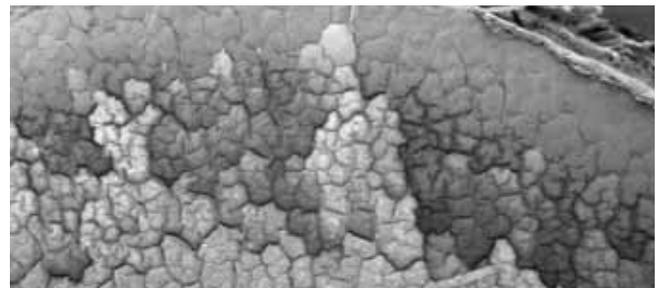
The Other Guys: Only meet the basic requirements established by ASTM.

Protect Your Investment: Ensure that your TPO roofing system will withstand the highest temperatures and UV exposures by investing in a membrane that can withstand over 52 weeks at 240°F and a minimum of 20,000 kJ/m² xenon arc resistance at 80°C without cracking or showing signs of material failure.

WEATHERING PACKAGE
CHEMICAL ANALYSIS



Versico TPO with OctaGuard XT



The Other Guys

45-mil TPO membrane at 50x magnification after extreme simulated UV exposure.





4 Weldability

Versico: TPO membranes can be welded at the widest temperature and humidity ranges resulting in strong welds without having to modify welder settings to compensate for changing climatic conditions. This leads to greater productivity and more reliable seams.

The Other Guys: For sheets with a narrow window of weldability, welder settings must be altered to account for changes in temperature and humidity, which can slow down installations and increase costs. Improper or “cold” welds may also occur, which may lead to leaks in your roofing system.

Protect Your Investment: Improper welds are the most common and costly mistakes made on a TPO roofing system, so choose a membrane that provides the widest window of weldability to produce strong seams.

3 Seam Strength

Versico: Independent tests show that Versico’s TPO membrane exhibits far stronger seams than competing products. That means better wind uplift performance and fewer leaks and callbacks.

The Other Guys: May require cumbersome and expensive welding equipment or double welds to achieve adequate wind uplift and seam-strength performance, leading to increased labor costs and installation times.

Protect Your Investment: A strong seam is a vital part of any TPO roofing system. Request that the TPO manufacturer provide seam weld strength testing results greater than 60 Lbf/in at a wide range of welding temperatures and speeds.

5 Energy Efficiency

Versico: White TPO membrane features an initial ENERGY STAR® solar reflectance of .79 and emissivity of .90. Versico’s tan TPO membranes are also ENERGY STAR* qualified, having met and exceeded the program’s energy efficiency guidelines.

The Other Guys: Produce a TPO membrane with good initial reflectivity numbers that fall off dramatically when tested by ENERGY STAR* for three-year aged reflectivity.

Protect Your Investment: Maximize the energy efficiency of your roof and require that the TPO installed on your building has the highest Cool Roof Rating Council three-year reflectivity rating.

**ENERGY STAR recommends that using the Roof Savings Calculator (rsc.ornl.gov), which factors in both heating and cooling costs, to determine whether a cool roof will be an energy efficient choice for your geographic climate and building type.*

SEAM STRENGTH MEASURED IN LBF/IN

| | Versico | | | | Competitor A | | | | Competitor C | | | |
|--------|---------|------|------|------|--------------|------|------|------|--------------|------|------|------|
| | 7.9 | 10.5 | 13.5 | 16.1 | 7.9 | 10.5 | 13.5 | 16.1 | 7.9 | 10.5 | 13.5 | 16.1 |
| 806°F | 61 | 65 | 64 | 65 | 35 | 40 | 38 | 43 | 57 | 60 | 57 | 58 |
| 1004°F | 62 | 64 | 68 | 62 | 39 | 44 | 39 | 38 | 60 | 60 | 58 | 58 |
| 1148°F | 65 | 64 | 68 | 66 | 41 | 39 | 38 | 43 | 65 | 61 | 56 | 57 |



6 Appearance

Versico: A combination of our state-of-the-art manufacturing process and over 15 years of manufacturing experience creates a smoother top surface designed to resist dirt, debris, mildew and bacteria build-up. That means you get a cleaner, more solar reflective membrane throughout the life of your roof, and Versico will back it with an industry-leading reflectivity warranty.

The Other Guys: May have coarse, rough and uneven surfaces that hold dirt and reduce reflectivity.

Protect Your Investment: A smooth surface is the best way to maintain high reflectivity values, so stick with the TPO roof system that offers the best protection against dirt and debris.

7 Diversity and Versatility

Versico: Versico manufactures VersiWeld TPO membranes with a wide range of thicknesses, widths, lengths and colors. Membrane thicknesses include 45, 60 and 80 mils with sheets as wide as 12 feet. All variations of thickness and width are available in white, gray and tan, as well as 16 special colors. If 100-foot sheet lengths aren't the most efficient for your project, VersiWeld TPO field membrane sheets can be manufactured in additional lengths.

The Other Guys: Limited in thickness, width and color and some only offer standard 100-foot length sheets. This condensed product offering restricts your ability to get the perfect TPO membrane for your roofing project.

Protect Your Investment: Ensure that you get the best roof for your money by giving your roofing contractor the choices he needs to save time and labor on your next TPO project.

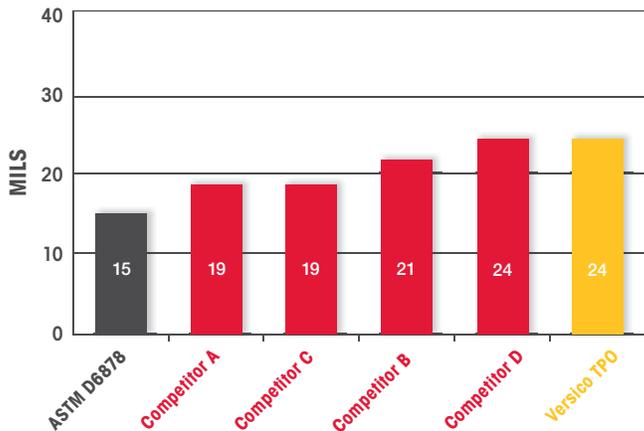
8 Thickness over Scrim

Versico: 60-mil TPO features a typical thickness over scrim well above the ASTM minimum. This thickness leads to greater weathering resistance with more OctaGuard XT Weathering Package for added protection against solar heat and UV. In addition to a thicker top ply, equal embedment of the scrim also provides increased lamination strength.

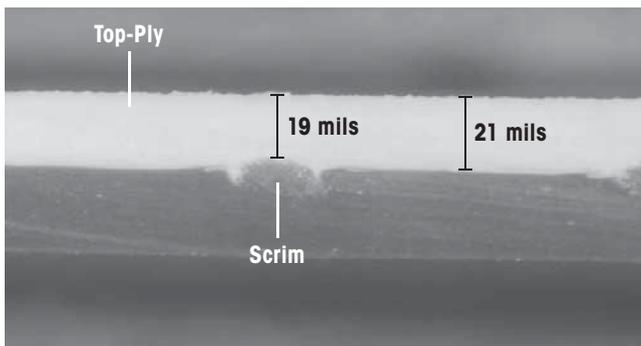
The Other Guys: Many TPO membranes narrowly exceed ASTM's minimum thickness over scrim requirement, which could mean a thinner top ply and less overall protection. By embedding the scrim in the bottom ply, some manufacturers publish misleading thickness-over-scrim values, when in fact they are providing less top ply protection.

Protect Your Investment: The top ply of your TPO membrane is the first and best defense your building has against harmful weather, so be certain that your next TPO roof system features an optimal thickness over scrim.

THICKNESS OVER SCRIM
60-MIL TPO MEMBRANE



CROSS-SECTION OF TPO MEMBRANE



The Other Guys

9 Warranties

Versico: With Versico, you can rest assured that your building will have outstanding warranty protection. Versico's Total System warranties, as well as a large warranty reserve, reflect a commitment and ability to address any warranty issue.

The Other Guys: May not publish or provide information about their warranty reserve.

Protect Your Investment: Ensure that the company providing your warranty has a properly funded warranty reserve and "No Dollar Limit" Total System warranties.

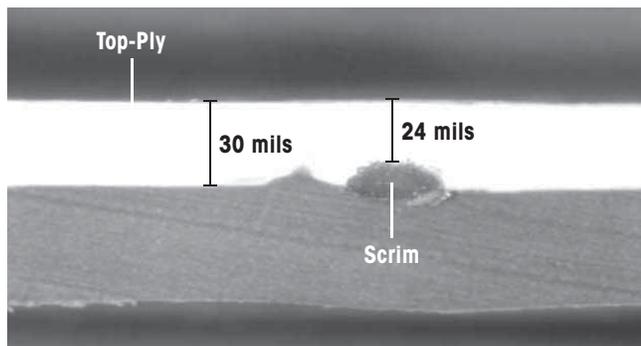
10 Prefabricated Accessories

Versico: Versico offers over a dozen prefabricated, in-stock, standard-order accessories and countless custom-order accessories. All carry a CFA (Certified Fabricated Accessory) stamp of approval, so you know they are manufactured to the highest standards. Every Versico CFA-approved accessory saves time and money during installation.



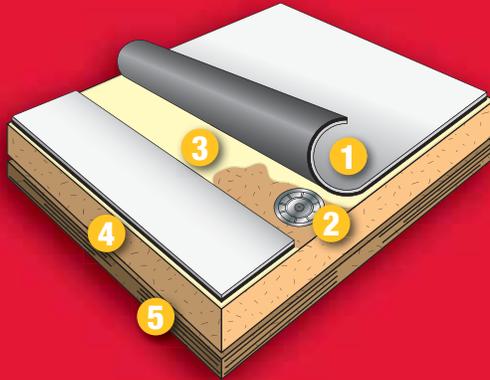
The Other Guys: Many manufacturers only offer a limited number of accessories, while others carry products that have not been certified for quality.

Protect Your Investment: A typical roof can have hundreds of penetrations. Ensure that these pipes, curbs and other obstructions are properly waterproofed with TPO accessories certified by the TPO membrane manufacturer issuing your warranty.



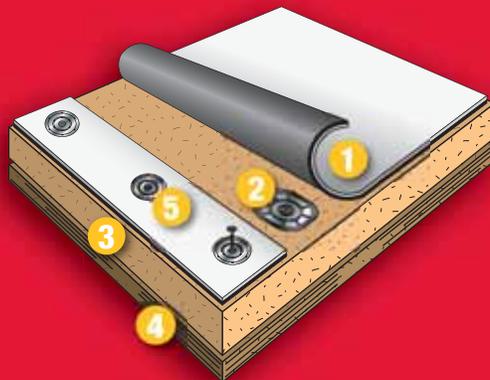
Versico TPO

FULLY ADHERED TPO ROOFING SYSTEM



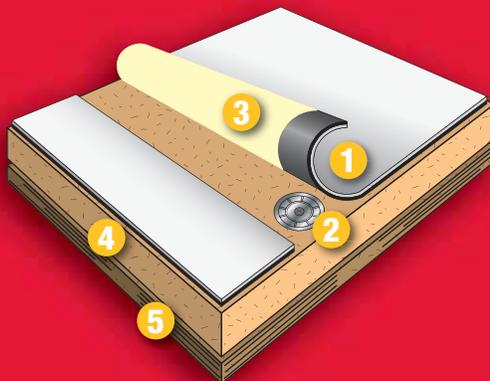
1. VersiWeld TPO Membrane
2. Versico Insulation Fasteners and Plates
3. VersiWeld TPO Bonding Adhesive
4. Acceptable Insulation
5. Approved Roof Deck

MECHANICALLY ATTACHED TPO ROOFING SYSTEM



1. VersiWeld TPO Membrane
2. Versico Insulation Fasteners and Plates
3. Acceptable Insulation
4. Approved Roof Deck
5. Membrane Fasteners and Plates

QUICK-APPLIED TPO ROOFING SYSTEM



1. QA TPO Membrane
2. Versico Insulation Fasteners and Plates
3. Pre-Applied Adhesive
4. Acceptable Insulation
5. Approved Roof Deck