VERSIWELD

VERSIWELD® PLUS ROOFING SYSTEM

Versico's VersiWeld Plus Roofing System is the ultimate in long-lasting, weather-resistant, heat-weldable single-ply roofing.

Versico's VersiWeld membranes are enhanced with Versico's Octaguard XT™ Weathering package resulting in the most dependable, long-term performance characteristics in the industry.

The heavier 80-mil thermoplastic polyolefin (TPO) membranes offer enhanced physical properties, long-term warranties and laborsaving installations.

Features and Benefits

- Available in white and gray.
- Sheet widths of 6', 8', 10' and 12' with 4'-wide factory-produced perimeter sheets.
- UL Class A Ratings are available over any deck type.
- FM uplift values of up to 1-150.
- No plasticizers or chlorine used in manufacturing for an environmentally friendly sheet.
- ENERGY STAR® qualified.
- VersiWeld TPO accessories carry the Certified Fabricated Accessory (CFA) seal of approval meaning they adhere to the most stringent quality tolerances required to be included in a Versico warranted roof system.
- Smooth top-ply surface of VersiWeld Plus produces a "total surface fusion weld" creating a consistent, watertight monolithic roof assembly.
- Polyester-reinforcing fabric is resistant to degradation by bacteria, mildew and fungi.
- When tested for puncture resistance, VersiWeld results were better than competitive heat-weldable membranes.

- Up to 30-year No Dollar Limit Total System Warranty coverage is available.
- A warranted system is installed by an Authorized Versico Roofing Contractor.
- A completed warranted system is inspected by a trained Versico Field Service Representative to ensure conformance with Versico specifications.
- 10-year reflectivity warranty available.
- Puncture warranty available.

OCTAGUARD XT
WEATHERING PACKAGE

Certified Fabricated Accessory

VERSICO
ROOFING SYSTEMS

A SINGLE SOURCE FOR SINGLE-PLY ROOFING

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VERSIWELD 80-MIL REINFORCED TPO SHEET
Basic Properties and Characteristics (Standard & HS/ES)

Physical Property	Test Method	Property of Unaged Sheet	Property after ASTM D573 aging[1] 28 days @ 240°F
Tolerance on Nominal Thickness, %	ASTM D751	±10	
Thickness over scrim, in. (mm)	ASTM D6878 Optical Method	0.034 (0.864) ±10% 80-mil	
Breaking strength, lbf (kN)	ASTM D751	350 (1.6) min. 80-mil 425 (1.9) typical 80-mil	
Elongation at break of fabric, %	ASTM D751	25 typical	25 typical
Tearing strength, lbf (N) 8 by 8 in. specimen	ASTM D751 B Tongue Tear	55 (245) min. 130 (578) typical	55 (245) min. 130(578) typical
Brittleness point, °F (°C)	ASTM D2137	-40 (-40) max. -50 (-46) typical	
Linear Dimensional Change (shrinkage),% After 6 hours at 158°F (70°C)	ASTM D1204	+/- 1 max. 0.2 typical	
Ozone resistance, 100 pphm, 168 hours	ASTM D1149	No cracks	No cracks
Resistance to Water Absorption After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D471 (top surface only)	3.0 max. 2.0 typical	
Field seam strength, lbf/in. (kN/m)	ASTM D1876	40 (7.0) min. 80-mil 70 (12.3) typical 80-mil	
Water vapor permeance, Perms	ASTM E96	0.10 max. 0.05 typical	
Puncture resistance, lbf (kN) (see supplemental section for additional puncture data)	FTM 101 C Method 2031	400 (1.8) min. 80-mil 450 (2.0) typical 80-mil	

FM APPROVED CLASSIFIED UL

[1] *Aging conditions are 28 days at 240°F (116°C) equivalent to 400 days at 176°F (80°C) for breaking strength, elongation, tearing strength ozone and puncture resistance.*

Radiative Properties for ENERGY STAR®, Cool Roof Rating Council (CRRC) & LEED®

	Test Method		White TPO	Gray TPO	Tan TPO
ENERGY STAR initial solar reflectance	Solar Spectrum Reflectometer	Initial Results After 3 years (cleaned)	0.87 0.83	n/a n/a	0.68 0.64
CCRC initial solar reflectance	ASTM C1549	Initial Results After 3 years (uncleaned)	0.79 0.70	0.46 0.43	0.71 0.64
CCRC initial thermal emittance	ASTM C1371	Initial Results After 3 years (uncleaned)	0.90 0.86	0.90 0.88	0.86 0.87
LEED thermal emittance	ASTM E408		0.95	0.95	0.95
SRI (Solar Reflectance Index)	ASTM E1980		110	55	88

	NEW CONSTRUCTION					RE-ROOFING		
Existing or New Deck Type	Steel	Plywood or OSB	Wood Planks	Gypsum & Fibrous Cement	Structural Concrete	Smooth-Surface BUR	Gravel-Surface BUR	Existing Single-Ply
Deck Overlayment	Insulation	None	Insulation	Insulation	MP Safeguard Mat	None	Insulation	Insulation
Recommended Insulation	Polyiso, Wood Fiberboard, Wood Fiberboard over Polystyrene, Extruded Polystyrene					← Refer to New Construction		
Insulation Attachment	MP Fasteners & Seam or Insulation Plates		Lite Deck or NTB Fasteners/Plates	MP Fastener, CD-10 and Seam or Insulation Plates		← Refer to New Construction		
Membrane Attachment	HPVX Fasteners/HPVX Plates		Lite Deck or NTB Fasteners/Plates	CD-10 and HPVX Plates		← Refer to New Construction		

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