



VERSIWELD



MECHANICALLY ATTACHED ROOFING SYSTEM

The VersiWeld® Mechanically Attached Roofing System incorporates either 45-mil, 60-mil, 72-mil or 80-mil TPO (Thermoplastic Polyolefin membrane).

Features and Benefits

- Membranes are enhanced with Versico's Octaguard XT™ Weathering package resulting in the most dependable, long-term performance characteristics in the industry.
- All 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 system.
- Available in white, gray and tan.
- 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 1-60, 1-90, 1-120 and 1-135 are available.
- Membrane formulation contains no plasticizers or chlorine.
- ENERGY STAR® qualified.
- When tested for puncture resistance, VersiWeld results were better than competitive heat-weldable membranes.
- Smooth membrane does not promote dirt buildup and stays cleaner longer.
- 5-year to 30-year No Dollar Limit Total System Warranty coverage is available. Standard wind speed coverage is 55 mph. Additional wind speed warranties are 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.



OCTAGUARD XT
WEATHERING PACKAGE



VERSICO
ROOFING SYSTEMS

A SINGLE SOURCE FOR SINGLE-PLY ROOFING

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VERSIWELD 45- & 60-MIL-THICK REINFORCED TPO Basic Properties and Characteristics (Standard and HS)

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		
45-mil	Optical Method	0.018 (0.457) ±10%	
60-mil	(avg of 3 areas)	0.024 (0.610) ±10%	
Breaking strength, lbf (kN)	ASTM D751 Grab Method	225 (1.0) min. 45-mil 320 (1.4) typical 45-mil 250 (1.1) min. 60-mil 360 (1.6) typical 60-mil	225 (1.0) min. 45-mil 320 (1.4) typical 45-mil 250 (1.1) min. 60-mil 360 (1.6) typical 60-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 (No cracks 7x)	ASTM D1149	No cracks	No cracks
Resistance to Water Absorption After 166 hours 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) Seam tested in peel	ASTM D1876	25 (4.4 min.) 50 (8.8) typical 45-mil 60 (10.5) typical 60-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	250 (1.1) min. 45-mil 325 (1.4) typical 45-mil 300 (1.3) min. 60-mil 350 (1.6) typical 60-mil	

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.



Existing or New Deck Type	NEW CONSTRUCTION						RE-ROOFING		
	Steel	Plywood or OSB	Wood Planks	Gypsum & Fibrous Cement	Lightweight Concrete	Structural Concrete	Smooth-Surface BUR	Gravel-Surface BUR	Existing Single-Ply
Insulation Required	Yes	No	No	Yes	No	No	Yes	Yes	Yes
Recommended Insulation	Polyiso, Wood Fiberboard, Extruded Polystyrene						← Refer to New Construction		
Insulation Attachment	Acceptable Versico Fasteners and Plates or Approved Insulation Adhesive						← Refer to New Construction		
Membrane Attachment	Versico Bonding Adhesive						← Refer to New Construction		