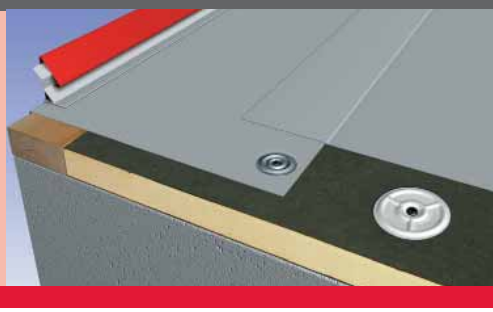
VERSIWELD



MECHANICALLY ATTACHED ROOFING SYSTEM

The VersiWeld® Mechanically Attached Roofing System incorporates either 45-mil, 60-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 membranes.
- When tested for puncture resistance, VersiWeld results were better than competitive heat-weldable membranes.
- Smooth membrane resists 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

Certified Fabricated Accessory

VERSICO ROOFING SYSTEMS

A SINGLE SOURCE FOR SINGLE-PLY ROOFING

Versico, PO Box 1289, Carlisle, PA 17013
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VERSIWELD

VERSIWELD REINFORCED TPO MEMBRANE

Typical Properties and Characteristics*

Physical Property	ASTM D6878 Requirement	45-mil	60-mil	80-mil
Tolerance on nominal thickness, % ASTM D751 test method	+15, -10	± 10	± 10	± 10
Thickness over scrim, in. (mm) ASTM D6878 optical method, average of 3 areas	0.012 min (0.305)	0.018 typ (0.457)	0.024 typ (0.610)	0.034 typ (0.864)
Breaking srength, lbf (kN) ASTM D751 grab method	220 (976 N) min	225 (1.0) min 320 (1.4) typ	250 (1.1) min 360 (1.6) typ	350 (1.6) min 425 (1.9) typ
Elongation break of reinforcement, % ASTM D751 grab method	15 min	15 min 25 typ	15 min 25 typ	15 min 25 typ
Tearing strength, lbf (N) ASTM D751 proc. B 8 in. x 8 in.	55 (245) min	55 (245) min 130 (578) typ	55 (245) min 130 (578) typ	55 (245) min 130 (578) typ
Brittleness point, °F (°C) ASTM D2137	-40 (-40) max	-40 (-40) max -50 (-46) typ	-40 (-40) max -50 (-46) typ	-40 (-40) max -50 (-46) typ
Linear dimensional change, % ASTM D1204, 6 hours at 158°F	± 1 max	± 1 max -0.2 typ	± 1 max -0.2 typ	± 1 max -0.2 typ
Ozone Resistance, no cracks 7X ASTM D1149, 100 pphm, 168 hrs	PASS	PASS	PASS	PASS
Water absorption resistance, mass % ASTM D471 top surface only 166 hours at 158°F water	± 3.0 max	± 3.0 max 2.0 typ	± 3.0 max 2.0 typ	± 3.0 max 2.0 typ
Factory seam strength, lbf/in (kN/m) ASTM D751 grab method	66 (290) min	66 (290) min	66 (290) min	66 (290) min
Field seam strength, lbf/in (kN/m) ASTM D1876 tested in peel	No requirement	25 (4.4) min 50 (8.8) typ	25 (4.4) min 60 (10.5) typ	40 (7.0) min 70 (12.3) typ
Water vapor permeance, Perms ASTM E96 proc. B	No requirement	0.10 max 0.05 typ	0.10 max 0.05 typ	0.10 max 0.05 typ
Puncture resistance, lbf (kN) FTM 101C, method 2031 (see supplemental section)	No requirement	250 (1.1) min 325 (1.4) typ	300 (1.3) min 350 (1.6) typ	400 (1.8) min 450 (2.0) typ
Properties after heat aging ASTM D573, 670 hours @ 240°F Breaking strength, % retained Elongation reinf., % retained Tearing Strength, % retained Weight change, %	 90 min 90 min 60 min ± 1.0 max	 90 min 90 min 60 min ± 1.0 max	 90 min 90 min 60 min ± 1.0 max	 90 min 90 min 60 min ± 1.0 max
Typical Weights		0.23 lb/ft² (1.1 kg/m²)	0.29 (1.4)	0.40 (2.0)

** Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.*

FM APPROVED

CLASSIFIED UL

	NEW CONSTRUCTION						RE-ROOFING		
Existing or New Deck Type	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		

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