



**VERSIFLEX**



## MECHANICALLY ATTACHED ROOFING SYSTEM

The VersiFlex™ Mechanically Attached Roofing System incorporates either 50-mil, 60-mil or 80-mil (PVC) Polyvinyl Chloride membrane.

### Features and Benefits

- Available in white and gray (inquire for custom colors).
- Standard Widths: Membrane is 81", perimeter sheets are 40.5".
- UL Class A, B and unlimited slope ratings are available over standard decks.
- FM Uplift values up to 165 psf can be achieved.
- Enhanced physical property characteristics for long-term weatherability.
- Highly solar reflective "cool" membrane.
- Excellent chemical resistance to acids, bases, restaurant oils and greases.
- Incorporates a strong polyester reinforcement giving the membrane excellent tearing, breaking and puncture resistance.
- 5-year to 20-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 to Versico specifications.





## VERSIFLEX 50-, 60- & 80-MIL PVC Typical Properties and Characteristics

Physical Property	Test Method	Property of Unaged Sheet	Property after ASTM D3045 Aging 56 days @ 176°F
Tolerance on Nominal Thickness, %	ASTM D571	±10	
Thickness over scrim, in. (mm) 50-mil & 60-mil 80-mil	ASTM D4434 Optical Method (avg. of 3 areas)	0.016 (0.406) min. 0.025 (0.635) min.	
Breaking Strength, lbf/in. (kN/m)	ASTM D751 Grab Method	200 (35) min. 300 (53) typical	90% min. retention of original breaking strength
Elongation at break of fabric, %	ASTM D751	15 min. 25 typical	90% min. retention of original elongation
Tearing strength, lbf (N) 8 by 8 in. specimen	ASTM D751 B Tongue Tear	45 (200) min. 100 (445) typical	
Low temperature bend, °F (°C)	ASTM D2136	-40 (-40) max. -50 (-46) typical	
Linear Dimensional Change (shrinkage), % After 6 hours at 176°F (80°C)	ASTM D1204	+/- 0.5 max. -0.3 typical	
Ozone resistance, 100 pphm, 168 hours	ASTM D1149	No cracks	
Resistance to water absorption After 7 days immersion 158°F (70°C) Change in mass, %	ASTM D570	3.0 max. 2.0 typical	
Field seam strength, lbf/in. (kN/m) Seam tested in peel after welding	ASTM D1876	25 (4.4) min. 60 (10.5) typical	
Water Vapor Permeance, Perms	ASTM E96	0.10 max. 0.05 typical	
Puncture resistance, lbf (N) (see Technical Data Bulletin for additional puncture data)	FTM 101 C Method 2031	250 (1110) min. 280 (1245) typical 50-mil 320 (1423) typical 60-mil 380 (1690) typical 80-mil	
Resistance to xenon-arc weathering Xenon-Arc, 6300 kj/m <sup>2</sup> total radiant exposure, visual condition at 10X (ASTM D 4434 light & spray cycle)	ASTM G155 0.35 W/m <sup>2</sup> 63°C B.P.T.* 5000 hours	No cracks No crazing	

\* B.P.T. is Black Panel Temperature



Existing or New Deck Type	NEW CONSTRUCTION						RE-ROOFING		
	Steel	Plywood or OSB	Lightweight Concrete	Structural Concrete	Wood Planks	Gypsum & Fibrous Cement	Smooth-Surface BUR	Gravel-Surface BUR	Existing Single-Ply
Insulation Required	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes
Recommended Insulation	Versico Polyiso, OSB, Recovery Board, DensDeck® Prime or approved insulation over Versico Polystyrene						← Refer to New Construction		
Insulation Attachment	VersiGrip™, Olybond or Versico Plates and Fasteners						← Refer to New Construction		
Membrane Attachment	HPVX & HPV-XL Fasteners and Plates		Life Deck Fasteners/ HPVX Plates	CD-10/HPVX Plates; MP-14 Fasteners/ HPVX Plates	HPVX Fasteners and Plates	Life Deck Fasteners/ HPVX Plates	← Refer to New Construction		