



## MECHANICALLY ATTACHED ROOFING SYSTEM

The VersiGard® Mechanically Attached Roofing System incorporates either 45-mil or 60-mil reinforced time-tested EPDM membrane.

### Features and Benefits

- The completed assembly is easily inspected, a key for a sound maintenance program.
- Easily installed over a variety of substrates.
- Reinforced EPDM is lightweight and enables larger sheet widths between fastening thus lowering installation costs.
- Offers excellent fatigue, puncture and tear resistance.
- UL Class A, B and universal slope ratings are available.
- Can achieve FM 1-60 and 1-90 wind uplift rating.
- 5-year 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.



A SINGLE SOURCE FOR SINGLE-PLY ROOFING

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## VERSIGARD .045" & .060" REINFORCED EPDM

### Typical Properties and Characteristics

Physical Property	Test Method	SPEC. (Pass)	Standard	FR
Tolerance on Nominal Thickness, %	ASTM D751	±10	±10	±10
Thickness Over Scrim, min, in. (mm)	ASTM D4637 Annex	0.015 (0.381)	0.016 (0.406)	0.016 (0.406)
.045		0.015 (0.381)	0.020 (0.508)	0.020 (0.508)
.060				
Weight, lbm/ft <sup>2</sup> (kg/m <sup>2</sup> )				
.045			0.24 (1.2)	0.27 (1.3)
.060			0.34 (1.7)	0.39 (1.9)
Breaking Strength, min, psi (N)	ASTM D751	90 (400)	180 (800)	180 (800)
Elongation, Ultimate, min, %	ASTM D412 Die C	250**	480**	480**
Tearing Strength, min, lbf/in (N)	ASTM D751 (B Tongue Tear)	10 (45)	30 (132)	30 (132)
Brittleness Point, max, deg. F (deg. C)*	ASTM D2137	-49 (-45)	-60 (-51)	-60 (-51)
Resistance to Heat Aging* Properties after 4 weeks @ 240°F (116°C)	ASTM D573			
Breaking Strength, min, psi (N)	ASTM D412 Die C	80 (355)	200 (890)	200 (890)
Elongation, Ultimate, min, %	ASTM D751	200**	250**	250**
Linear Dimensional Change, max, %	ASTM D1204	±1.0	-0.7	-0.7
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen wrapped around 3" mandrel	ASTM D1149	No Cracks	No Cracks	No Cracks
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D471	+8, -2**	2.0**	2.0**
Factory Seam Strength, min	ASTM D816 modified	Membrane Rupture	Membrane Rupture	Membrane Rupture
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 7560 kJ/m <sup>2</sup> total radiant exposure at 0.70 W/m <sup>2</sup> irradiance, 176°F (80°C) Black Panel Temp.	ASTM D4637 Conditions	No Cracks No Cracking	No Cracks No Cracking	No Cracks No Cracking

\* Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

\* See Technical Data Bulletin for Reinforced Typical Properties & Characteristics.



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	Insulation	None	None	MP Safeguard Mat	None	MP Safeguard Mat	MP Safeguard Mat	Insulation	Insulation
Recommended Insulation	Polyiso, Wood Fiberboard, Wood Fiberboard over Polystyrene						← Refer to New Construction		
Insulation Attachment	Acceptable Versico Fasteners and Plates; Refer to Versico Specifications						← Refer to New Construction		
Membrane Attachment	HPV Fasteners & Versico Polymer Seam Plates	HPV Fasteners & Versico Polymer or Seam Fastening Plates	HPV Fasteners & Versico Polymer or Seam Fastening Plates	Versico Lt. Wt. Fasteners & Plates or NTB	Versico Lt. Wt. Fasteners & Plates or NTB	Versico Concrete Spike or MP w/ Seam Plate	← Refer to New Construction		