

VERSIGARD™ .045" / .060" NON-REINFORCED EPDM MEMBRANES

GENERAL:

Versigard .045" and .060" thick roofing membranes are factory fabricated, Ethylene Propylene Diene Terpolymer EPDM based elastomeric homogenous roof coverings which may be used for new single-ply roof construction and reroofing installations. Membranes are available in widths up to 50' and lengths up to 200'. Versigard non-reinforced membranes are specially formulated to inhibit spread of flame and meet or exceed code body testing criteria for fire retardant roofing membranes. Versigard .045"/.060" non-reinforced membranes meet UL Class "A" testing standards.

TYPICAL PROPERTIES AND CHARACTERISTICS:

See Table on next page.

CAUTIONS AND WARNINGS:

- Use proper stacking procedures to ensure sufficient stability of the materials.
- Exercise caution when walking on wet membrane. Membranes are slippery when wet.

INSTALLATION:

Versigard .045" or .060" membranes are utilized in Fully Adhered, Ballasted, Non-Reinforced Mechanically Attached, Strip-Adhered and PE Roofing Systems.

Fully Adhered Roofing System: Insulation is mechanically attached to the roof deck. The substrate and membrane are coated with Versigard Substrate Adhesive. The membrane is then rolled into place and brushed down. Primer, Seam Adhesive and In-Seam Sealant are applied to the seam area and lap sealant is used on the seam edge. As an alternative, Primer and QA Seam Tape may be used for seaming.

Ballasted Roofing System: Insulation is loose-laid over roof deck. Membrane is loose-laid over insulation and secured with a minimum of 10 lbs. of ballast per square foot. Seams are completed using Primer, Seam Adhesive and In-Seam Sealant with Lap Sealant applied to the edge, OR Primer and QA Seam Tape.

Non-Reinforced Mechanically Attached Roofing System: Insulation is mechanically attached to the roof deck. The membrane (7 ft. maximum) is laid over the insulation and mechanically attached to the roof deck at the seams using metal battens and fasteners. Seams are completed using Primer and QA Seam Tape.

Strip-Adhered Roofing System: Insulation is mechanically attached to the roof deck. Rows of 9" wide QA RTS are mechanically attached to the roof deck with seam plates or metal battens and fasteners. The membrane is rolled over the QA RTS and adhered to the QA Adhesive on it. Seams are completed using Primer, Seam Adhesive, In-Seam Sealant with Lap Sealant applied to seam edge, OR Primer and QA Seam Tape.

PE Roofing System: Webs of the metal roof are filled with insulation, overlaid with a second layer of insulation, and mechanically attached to the metal roof. The membrane is attached to the metal roof and seamed by means of metal rails.

Consult Versigard specifications for complete installation information.

VERSIGARD .045" & .060" EPDM			
TYPICAL PROPERTIES AND CHARACTERISTICS			
			Typical
Physical Property	Test Method	SPEC. (Pass)	Versigard Non-Reinforced
Tolerance on Nominal Thickness, %	ASTM D 412	±10	±10
Weight, 1bm/ft ² (kg/m ²) .045 .060			0.26 (1.3) 0.35 (1.7)
Tensile Strength, min, psi (Mpa)	ASTM D 412	1305 (9)	1630 (11.2)
Elongation, Ultimate, min, %	ASTM D 412	350	520
Tear Strength, min, lbf/in (kN/m)	ASTM D 624 (Die C)	175 (30.6)	230 (40.3)
Resistance to Heat Aging* Properties after 4 weeks @ 240°F (116°C)	ASTM D 573		
Tensile Strength, min, psi (MPa)	ASTM D 412	1205 (8.3)	1600 (11.0)
Elongation, Ultimate, min, %	ASTM D 412	225	310
Tear Strength, min, lbf/in (kN/m)	ASTM D 624	150 (26.3)	240 (42.0)
Linear Dimensional Change, max, %	ASTM D 1204	±1.0	-0.4
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D 1149	No Cracks	No Cracks
Brittleness Temp., max, deg. F (deg. C)*	ASTM D 746	-75 (-59)	-85 (-65)
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D 471	4.0	2.0
Water Vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	0.10	0.05
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 7560 kJ/m ² total radiant exposure at 0.70 W/m ² irradiance, 80°C black panel temp.	ASTM D 4637 Conditions	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.			