

Sure-Seal MP 1.52

GENERAL

Sure-Seal 60-mil thick (1.52 mm) roofing membranes are polyester reinforced Ethylene Propylene Diene Terpolymer EPDM based elastomeric homogenous roofcoverings which may be used for new single-ply roof construction and reroofing applications. Membranes are available in widths up to 10' (3 m) and lengths up to 200' (61 m). Custom dimensions are also available. Fire Retardant (FR) membranes are specially formulated to inhibit spread of flame and meet or exceed code body testing criteria for fire retardant roofing membranes.

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

For Mechanically-Fastened Roofing Systems: Insulation is mechanically attached to roof deck and membrane is secured with seam fastening plates and fasteners. Splicing Cement and In-Seam Sealant. are applied to the splice area and Lap Sealant is used on the splice edge. As an alternate, HP-250 or LV-600 Primer and SecurTAPE. may be used for splicing.

For Design A, Fully-Adhered Roofing System: Insulation is mechanically attached to the roof deck. The substrate and membrane are coated with Sure-Seal Bonding Adhesive. The membrane is then rolled into position and brushed down. Splicing Cement and In-Seam Sealant. are applied to the splice area and Lap Sealant is used on the splice edge. As an alternate, HP-250 or Primer and SecurTAPE may be used for splicing.

TEXSA SYNTHETICS, S.A.
Llanos de Jerez, 1
28820 Coslada (Madrid) Spain
Tel. (+34) 91 673 69 19
Fax (+34) 91 674 36 44
E-mail: info@texsasynthetics.com
<http://www.texsasynthetics.com>

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TYPICAL PROPERTIES AND CHARACTERISTICS			
Physical Property	Test Method	SPEC. (Pass)	Standard
Tolerance on Nominal Thickness, %	ASTM D 751	± 10	± 10
Thickness Over Scrim, min, in. (mm)	ASTM D 4637 Annex	0.015 (0.381) 0.015 (0.381)	0.020 (0.508)
Weight, lbm/ft ² (kg/m ²)			0.24 (1.7)
Breaking Strength, min, lbf (N)	ASTM D 751 Grab Method	90 (400)	180 (800)
Elongation, Ultimate, min, %	ASTM D 412 Die C	250**	480**
Tearing Strength, min, lbf (N)	ASTM D 751 B Tongue Tear	10 (45)	30 (132)
Brittleness Point, max, deg. F (deg. C)*	ASTM D 2137	-49 (-45)	-60 (-51)
Resistance to Heat Aging* Properties after 4 weeks @ 240 °F (116 °C)	ASTM D 573		
Breaking Strength, min, lbf (N)	ASTM D 751	80 (355)	200 (890)
Elongation, Ultimate, min, %	ASTM D 412 Die C	200**	250**
Linear Dimensional Change, max, %	ASTM 1204	± 10	- 0.7
Ozone Resistance* Condition after exposure to 100 ppm Ozone in air for 168 hours @ 104 °F (40 °C) Specimen wrapped around 3 in. mandrel	ASTM D 1149	No Cracks)	No Cracks)
Resistance to Water Absorption* After 7 days immersion @ 158oF (70oC) Change in mass, max, %	ASTM D 471	+8, -2**	2.0**
Factory Seam Strength, min	ASTM D 816 Modified	Membrane Rupture	Membrane Rupture
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.

**Specimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced product.