

Pro-Guard®

heavy duty composite strip membrane

4592

Style 4592 is a heavy-duty composite paving strip membrane. We wish to advise that Pro-Guard® 4592 meets the following minimum average roll values (MARV) listed below:

Property	Test Method	English ⁽¹⁾	Metric ⁽¹⁾
Tensile Strength: Machine Direction	ASTM-D-882 ⁽²⁾	325 lb/in (2400) (lb/in ²) ⁽³⁾	56 kN/m (16,500 kN/m ²) ⁽³⁾
Cross Machine Direction:		325 lb/in (2400) (lb/in ²) ⁽³⁾	56 kN/m (16,500 kN/m ²) ⁽³⁾
Elongation ⁽⁴⁾	ASTM-D-882 ⁽²⁾	100 %	100 %
Peel Adhesion	ASTM-D-413	0.7 lbs/in	0.12 kN/m
Specific Gravity (mastic)	ASTM-D-70-82	1.67	1.67
Weight/Gallon (mastic)	ASTM-D-70-82	14.0 lbs	1.67 kg/l
Density	ASTM-E-12-70	80 lbs/ft ³	1280 kg/m ³
Weight	ASTM-D-5261	0.9 lbs/ft ²	4.4 kg/m ²
Thickness	ASTM-D-5199	0.135 in ⁽⁵⁾	3.4 mm ⁽⁵⁾
Water Absorption (mastic)	ASTM-D-517-92	1 % ⁽⁶⁾	1 % ⁽⁶⁾
Brittleness	ASTM-D-517-92	Passes	Passes
Softening Point (mastic)	ASTM-D-36-86	212° F	100° C
Cold Flex	ASTM-D-146-90 ⁽⁷⁾	No Separation	No Separation
Heat Stability	-	Passes ⁽⁸⁾	Passes ⁽⁸⁾
Polymeric Reinforcement	AFFC ⁽⁹⁾	3,500,000	3,500,000
Flammability	FMVSS 302	Passes ⁽¹⁰⁾	Passes ⁽¹⁰⁾

Notes:

- ¹ Minimum average roll values unless otherwise noted.
- ² Using 12 in./min. test speed and a 1" initial distance between grips.
- ³ Based on specified thickness of 0.135 in.
- ⁴ Elongation at break.
- ⁵ Minimum 95 % retained after loading.
- ⁶ Maximum value.
- ⁷ Using a 2"x 5" specimen, 180° bend on a 2" mandrel at 0° F.
- ⁸ No dripping or delamination after 2 hours at 190° F on a 2" x 5" sample suspended vertically.
- ⁹ Amoco Fabrics and Fibers test method, cycles to break (single fiber).
- ¹⁰ Self-extinguishing, no burn rate.

Pro-Guard 4592 is manufactured by MFM Building Products Corp, Coshocton, OH – USA.

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