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Stevens EP-Fleece can also be mechanically attached and achieve FM windstorm classification ratings from I-60 to 1-195.

FIRE RATINGS

Stevens EP-Fleece meets Underwriters Laboratory Class A fire ratings, and every roll of Stevens EP-Fleece delivered



bears the U.L. Label and Classification marking as well as the Factory Mutual Approval mark. This assures the contractor, building owner and specifier that every square foot of Stevens EP-Fleece was manufactured under the strict criteria of these third party quality assurance organizations.

And all Stevens EP membrane is manufactured in an ISO-9001:2000 registered facility.

VOC COMPLIANCE

For fully adhered applications, Stevens EP-Fleece is installed using a state-of-the-art VOC compliant adhesive -- Stevens Water-Based Fleece Adhesive.

ENVIRONMENTALLY FRIENDLY

Stevens EP-Fleece roofing membrane systems are among the greenest, most environmentally sensitive roofing options today for commercial roofing applications.

And when it comes to energy savings, Stevens Roofing Systems has determined that white Stevens EP-Fleece membrane meets the

ENERGY STAR® Roof Products Program guidelines for energy efficiency. And that means it



can help building owners to reduce air-conditioning costs and save money.

Contact Stevens Roofing Systems for a free Life Cycle Cost analysis that can show you the energy savings possible with a reflective white Stevens Roofing System.

COLORS, SIZES & ACCESSORIES

All Stevens EP-Fleece membrane is 76.5-inches (1.94 m) wide and comes on rolls 100-feet long (30.5 m). Stevens EP-Fleece is available in black, white and light gray.

A full assortment of pre-fabricated inside and outside corners, pipe boots and vent gloves are also available from Stevens in matching colors.

EASY INSTALLATION

Stevens EP-Fleece has been engineered for easy installation. For mechanically attached installations, simply roll out the membrane, fasten the sheet according to the specified fastening pattern, and heat weld the seams.

For fully adhered applications, apply Stevens Water-Based Fleece Bonding Adhesive to the substrate only at the rate of 100-120 sq. ft./gal. as specified (9.3 -11.1 sq^m/liter). Roll out the membrane, and hot-air weld the seams. Consult the Stevens Technical Department for specific application rates and installation guidelines. All

flashing details are made using standard Stevens EP membrane and accessories. Maximum slope is 2-inches (50 mm) over concrete or Densdeck and 1/2-inch (12.7 mm) over Iso.

WARRANTY OPTIONS

Stevens EP-Fleece is available with a variety of warranty options:

- ◆ 5 & 10 year material only
- ◆ 5, 10 & 15 year material/labor

Stevens EP-Fleece Physical Properties

Physical Property	Test Method	Typical Values 45 mil* (1.14 mm)	Typical Values 60 mil* (1.52 mm)
Thickness	ASTM D-751	45 mil membrane plus fleece	60 mil membrane plus fleece
Breaking Strength	ASTM D-751 (grab method A)	340 lbf. (1.5 kN)	400 lbf. (1.8 kN)
Tear Strength	ASTM D-751 (Procedure B, 8"x8" Sample)	135 lbf. (.60 kN)	120 lbf. (.53 kN)
Dimensional Stability (% change max.)	ASTM D-6878 (white: 6 hrs. @ 158°F/70°C)	±0.3%	±0.2%
Hydrostatic Resistance	ASTM D-751 (Method A)	500 psi (3.5 Mpa)	540 psi (3.7 Mpa)
Ozone Resistance**	ASTM D-1149 (70 hrs. @ 100°F/37.8°C)	Pass	Pass
Weather Resistance	Xenon Arc, ASTM D-6878 G-155; 5040 kJ/m ² 0.35 W/m ² @ 340 nm	Pass	Pass
	EMMAQUA (Concentrated Natural Sunlight) (ASTM G-90) 167 359 kJ/m ² total UV radiant exposure	Pass	Pass
Puncture Resistance	FTM 101B (Method 2031)	450 lbf. (2.0 kN)	500 lbf. (2.2 kN)
Vapor Transmission	ASTM E-96 (Procedure B Condition BW @ 72°F/22.2°C)	0.035 Perms	0.035 Perms
Elongation (%) Ultimate**	ASTM D-412 (Die C)	700%	700%
Brittleness	ASTM D-2137 (@ -45°C)	Pass	Pass
Water Absorption (max. % weight change)*	ASTM D-6878 D-471, (158°F/70°C for 7 days) Testing only one side section	±3%	±3%

The above properties are for standard white Stevens EP-Fleece membrane.

*Nominal thickness, per ASTM D-751 ** Test performed on non-reinforced Stevens EP membrane.

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