

Product Data Sheet

FLEXWHITE™ EPDM MEMBRANE



Description

GenFlex FlexWhite™ EPDM is a 0.060" (1.52 mm) or 0.090" (2.2 mm) non-reinforced, bi-laminate, white-on-black, cured single-ply roofing membrane that can be used in fully adhered GenFlex roofing systems.

Installation

Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, or other materials which may damage the membrane.

All rough surfaces, which could damage the membrane, shall be repaired as specified to offer a smooth substrate.

All surface voids greater than 1/4" (6.35 mm) wide shall be properly filled with an acceptable material.

FlexWhite EPDM must be installed in accordance with current FlexWhite EPDM specifications and details.

Product Data

THICKNESS	WIDTH	LENGTH	WEIGHT
60 mil (1.52 mm)	10' (3.0 m)	100'	0.43 lb/ft ² (2.1 kg/m ²)
	16' 8" (5.8 m)	(30.5 m)	
	20' (6.1 m)		
90 mil (2.286 mm)	25' (7.6 m)		
	10' (3.0 m)	50' (15.24m)	0.61 lb/ft ² (2.9 kg/m ²)
	10' (3.0 m)	100' (30.5m)	

Compliance

Solar Reflectance**	ASTM E 903	0.83
Thermal Emittance**	ASTM E 408	0.92
Solar Reflectance Index (SRI) ***	ASTM E 1980	105

LEED® Information

Recycled Content

Post Consumer	0%
Pre Consumer	0%
Manufacturing Location	Prescott, AR

Storage

Store in original, unopened packaging and away from sources of punctures and physical damage.

Assure that structural decking will support the loads incurred by the material stored on roof top. The deck load limitations should be specified by the project designer.

Precautionary Data

To avoid sources of punctures and physical damage, take care when moving, transporting, or handling.

Waste products such as petroleum products, greases, animal fats, and oils (mineral and vegetable) should be isolated from the membrane.

Refer to Material Safety Data Sheet for additional information.

COOL ROOF RATING COUNCIL (CRRC)	WHITE
Solar Reflectance Initial*	0.80
Solar Reflectance Aged*	0.72
Thermal Emittance Initial*	0.84
Thermal Emittance Aged*	0.86
Solar Reflectance Index (SRI) Initial*	99
Solar Reflectance Index (SRI) Aged*	88

* Values were obtained from independent testing by CRCC.

** Values were obtained from independent testing by Atlas Material Testing DSET Laboratories.

*** SRI was calculated using the SRI calculator from the USGBC.



ENERGY STAR is only valid in the United States

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PROPERTY	ASTM TEST METHOD	MINIMUM	TYPICAL VALUES	MINIMUM	TYPICAL VALUES
Thickness	D 412	0.054" (1.37 mm)	0.056" (1.5 mm)	0.081 in (2.057mm)	0.086" (2.184 mm)
Tensile Strength, min	D 412	1305 psi (9.0 MPa)	1360 psi (9.4 MPa)	1305 psi (9.0 MPa)	1361 psi (9.4 MPa)
Dynamic Puncture Resistance	D 5635	Pass	Pass	---	---
Static Puncture Resistance	D 5602, 44.1 lb (20 kg)	Pass	Pass	---	---
Elongation, ultimate, min	D 412	300%	468%	300%	427%%
Tensile set, max	D 412 Method A (Die C)	10%	2.1%	10%	2.4%
Tear Resistance, min	D 624	150 lb/in (26.27 kN/m)	234 lb/in (41.0 kN/m)	150 lb/in (26.27 kN/m)	198 lb/in (34.6 kN/m)
Brittleness Temperature, max	D 2137	-49 °F (-45 °C)	-69 °F (-56 °C)	-49 °F (-45 °C)	-69 °F (-56 °C)
Ozone Resistance – No Cracks	D 1149	Pass	Pass	Pass	Pass
Heat Aging – 240 °F (116 °C) 28 days	D 412	1205 psi (8.3 MPa)	1317 psi (9.7 MPa)	1205 psi (8.3 MPa)	1466 psi (10.1 MPa)
Tensile Strength, min	D 412	200%	325%	200%	206%
Elongation, Ultimate min	D 624	125 lb/in (21.9 kN/m)	181 lb/in (31.5 kN/m)	125 lb/in (21.9 kN/m)	153 lb/in (34.6kN/m)
Tear Resistance, min					
Linear Dimensional Change, max	D 1204	±1.0%	-0.50%	±1.0%	-0.21%
Water Absorption – max, mass 150 °F (62.6 °C) 7 days	D 471	+8 (-2)%	2.50%	+8 (-2)%	2.4%
Factory Seam Strength, min	D 816, Method B 50 lb/in (Modified)	8.8 kN/m or sheet failure	Sheet failure	---	---
Weathering Resistance:					
Visual inspection, 7X	D 4637	Pass	Pass	Pass	Pass
PRFSE, min	D 4637	30%	51%	30%	38%
Elongation, ultimate, min	D 412 (Die C)	200%	277%	200%	350%
Ultraviolet weather resistance (Xenon-Arc Weathering)	G 155	Pass (1000 hrs)	Pass (4000 hrs)	Pass (1000 hrs)	Pass (4000 hrs)





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