

## FlexWhite™ EPDM Membrane

### DESCRIPTION

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

### PHYSICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	MINIMUM	TYPICAL VALUES
Thickness	D 412	0.054" (1.37 mm)	0.056" (1.5 mm)
Tensile Strength, min	D 412	1305 psi (9.0 MPa)	1360 psi (9.4 MPa)
Dynamic Puncture Resistance - 5J	D 5635	Pass	Pass
Static Puncture Resistance	D 5602, 44.1 lb (20 kg)	Pass	Pass
Elongation, ultimate, min	D 412	300%	468%
Tensile Set, max	D 412 Method A (Die C)	10%	2.1%
Tear Resistance, min	D 624	150 lb/in (26.27 kN/m)	234 lb/in (41.0 kN/m)
Brittleness Temperature, max	D 2137	-49 °F (-45 °C)	-69 °F (-56 °C)
Ozone Resistance – No Cracks	D 1149	Pass	Pass
Heat Aging – 240 °F (116 °C) 28 days	D 412	1205 psi (8.3 MPa)	1317 psi (9.7 MPa)
Tensile Strength, min	D 412	200%	325%
Elongation, Ultimate min	D 624	125 lb/in (21.9 kN/m)	181 lb/in (31.5 kN/m)
Tear Resistance, min	D 624	125 lb/in (21.9 kN/m)	181 lb/in (31.5 kN/m)
Linear Dimensional Change, max	D 1204	±1.0%	-0.50%
Water Absorption – max, mass 150 °F (62.6 °C) 7 days	D 471	+8 (-2)%	2.50%
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 PRFSE, min	D 4637 D 4637	Pass 30%	Pass 51%
Elongation, ultimate, min	D 412 (Die C)	200%	277%
Ultraviolet weather resistance (Xenon-Arc Weathering)	G 155	Pass (1000 hrs)	Pass (40000 hrs)

### INSTALLATION

Substrates must be clean, dry, smooth, and free of sharp edges, tins, 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 per ft <sup>2</sup>
60 mil (1.52 mm)	10' (3.0 m) 16' 8" (5.8 m) 20' (6.1 m) 25' (7.6 m)	100' (30.5 m)	0.43 lb/ft <sup>2</sup> (2.1 kg/m <sup>2</sup> )

### LEED INFORMATION:

Post Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Prescott, AR

LEED	Test Method	White
Solar Reflectance**	ASTM E903	0.83
Thermal Emittance**	ASTM E408	0.92
Solar Reflectance Index (SRI)***	ASTM E1980	105
Cool Roof Rating Council (CRRC)		White
Solar Reflectance Initial*		0.80
Solar Reflectance Weathered*		Pending
Thermal Emittance Initial*		0.84
Thermal Emittance Weathered*		Pending
Solar Reflectance Index (SRI)***		99

\*Values were obtained from independent testing by CRRC.

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

### 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.

