Rubber Roofing (White)

DESCRIPTION

GenTite Rubber Roofing (White) is a non-reinforced, bi-laminate, white-on-black, cured single-ply EPDM roofing membrane that can be used in fully adhered GenTite roofing systems.

INSTALLATION

GenTite Rubber Roofing is intended to be installed as a fully adhered system. Refer to current GenTite Application Instructions for additional application instructions.

PREPARATION OF SUBSTRATE

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.

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PRODUCT DATA

THICKNESS	COLOR	SIZE	WIEGHT	PRODUCT #
60 mil (1.52 mm)	WHITE	10' x 25' (3 m x 7.6 m) 10' x 50' (3 m x 15.2 m)	102 lbs (46 kg) 204 lbs (9 kg)	W59GT61025 W59GT61050

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.

SHELF LIFE

Not applicable

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.

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_f/in (41.0 kN/m)
Brittleness Temperature, max	D 2137	-49 ºF (-45 ºC)	-69 ºF (-56 ºC)
Ozone Resistance – No Cracks	D 1149	Pass	Pass
Heat Aging – 240 ºF (116 ºC) 28 days Tensile Strength, min Elongation , Ultimate min Tear Resistance, min	 D 412 D 412 D 624	 1205 psi (8.3 MPa) 200% 125 lb/in (21.9 kN/m)	 1317 psi (9.7 MPa) 325% 181 lb/in (31.5 kN/m)
Linear Dimensional Change, max	D 1204	±1.0%	-0.50%
Water Absorption – max, mass 150 ºF (62.6 ºC) 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 Elongation,ultimate, min Ultraviolet weather resistance (Xenon-Arc Weathering	 D 4637 D 4637 D 412 (Die C) G 155	 Pass 30% 200% Pass (1000 hrs)	 Pass 51% 277% Pass (40000 hrs)

LEED INFORMATION

Recycled Content Post Consumer Post Industrial	 0% 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