



DuraFlex® 190FR SBS ULTRA WHITE

PRODUCT DATA SHEET

DuraFlex® 190FR SBS is a fire-resistant, premium SBS (Styrene-Butadiene-Styrene) mop or cold adhesive applied membrane with a high reflective white granule. Manufactured with a non-woven polyester mat and fiberglass strands for enhanced dimensional stability, high tear strength and puncture resistance. It is saturated and coated with high quality, asphaltic bitumen and SBS elastomers for a durable, flexible and easily maintainable membrane. Designed for use as a cap sheet in modified bitumen roof systems.



Physical Properties (ASTM D5147):	Test Results	ASTM D6164 Minimum Standard
Tensile Strength (lbf/in), 0°F (MD/XMD)	135/120 lbf/in	70 lbf/in
Tensile Strength (lbf/in), 73°F (MD/XMD)	98/89 lbf/in	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	49/48 %	20%
Elongation (% @ Max Load), 73°F (MD/XMD)	54/60 %	35%
Elongation (% @ 5% Max Load), 73°F (MD/XMD)	62/68 %	38%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	129/117 lbf	55 lbf
Low Temperature Flexibility, (°F), maximum	0°F (-18°C)	0°F
Dimensional Stability, %, maximum	<0.2%	1%
High Temperature Stability, (°F)	250°F (121°C)	215°F
Granule Embedment, g/m ² avg. loss	1.9	<2 g
Solar Reflectance Information:	Initial	Weathered
Solar Reflectance	0.84	.57
Thermal Emittance	0.90	.91
Solar Reflectance Index	106	68
CRRC Rated Product ID	0872-0009	

Product Data: DuraFlex® 190FR SBS (typical)

Thickness: 3.8 mm (150 mils)

Weight: 100 lbs/roll (45 kg/m²)

Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m)

Each roll is approximately 1 square

Green Standards Information: DuraFlex® 190FR SBS contains approximately 8.8% of recycled materials by product weight. 2.4% of materials are comprised of post-consumer recycled materials and 6.4% of materials are comprised of pre-consumer recycled materials. The post-consumer recycled materials are derived from recycled post-consumer plastics which averts disposal in landfills or commercial dumps. The pre-consumer recycled materials are derived from reclaimed non-hazardous coal combustion by-product waste which averts disposal of coal by-product waste in landfills or commercial dumps.

Product Name: DuraFlex® 190FR SBS

Color: Ultra White

Classification: Meets ASTM D 6164 Type I, Grade G. SBS Modified Bitumen Base Sheet

Application Method: Applied using compatible hot asphalt or SBS cold adhesive

Approvals: UL Classified with Underwriter's Laboratories (UL), is Factory Mutual (FM) Approved, and listed with Florida Building Code (FBC) FL-8077, and Texas Department of Insurance (TDI) RC-123. Contact U.S. Ply, Inc. for specific/applicable codes.

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REV MAY 2023



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