

DURAFLEX™ 190FR SBS

Technical Data Sheet

Product Name: DuraFlex™ 190FR SBS

Classification: SBS Modified Bitumen Roof Membrane

Product Description: DuraFlex™ 190FR SBS is a fire-resistant, granule surfaced, premium SBS (Styrene-Butadiene-Styrene) mop or cold applied membrane. Manufactured with a non-woven polyester mat for high tear strength and puncture resistance. DuraFlex™ 190FR SBS is saturated and coated with a premium quality, asphaltic bitumen and SBS elastomers for a highly durable, flexible and easily maintainable membrane. It is designed for use as a cap sheet in modified bitumen and hybrid built-up roof systems.

Application Method: DuraFlex™ 190FR SBS is applied using compatible hot asphalt or SBS cold adhesive.

Approvals: Meets ASTM D 6164 Type I, Grade G. U.S. Ply products are listed or approved with Underwriter's Laboratories (UL) and Factory Mutual (FM). Contact U.S. Ply, Inc. for specific/applicable codes.

Product Data: DuraFlex™ 190FR SBS (typical)

Thickness: 4.3 mm (170 mils)

Weight: 105 lbs/roll (48 kg/m²)

Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m). Each roll is approximately 107.6 sq. ft.

Physical Properties (ASTM D 5147):	Test Results	ASTM D 6164 Minimum
Tensile Strength (lbf/in), 0°F, (MD/XMD)	118/97	70 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	105/78	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	30/26	20%
Elongation (% @ Max Load), 73°F, (MD/XMD)	55/57	35%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	57/68	38%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	116/92	55 lbf
Low Temperature Flexibility, (°F), maximum	0°F (-18°C)	0°F
Dimensional Stability, %, maximum	< 0.2%	1%
High Temperature Stability, (°F)	215°F (101°C)	215°F
Granule Embedment, g/m ² , avg loss	<1.2 g	< 2 g

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative.

U.S. PLY, INC.

A DANNY ADAIR COMPANY

Corporate Headquarters: P.O. Box 11740, Fort Worth, Texas 76110

TOLL-FREE: 866-PUSH-PLY (866) 787-4759 • Local: (817) 413-0103 • Fax: (817) 413-8221

Website: www.usply.com • Email: sales@usply.com

April 2007