

USP® TUFFCAP 190M SBS

STANDARD MODIFIED BITUMEN MEMBRANE
Product Data Sheet

"PIONEERED WITH PERFORMANCE IN MIND...
ENGINEERED TO STAND THE TEST OF TIME."

USP® TUFFCAP 190M SBS is a tough mineral surfaced, SBS (Styrene-Butadiene-Styrene) mop or cold applied membrane. Manufactured with a non-woven polyester mat, that is saturated and coated with high quality, asphaltic bitumen and SBS elastomers for a durable, flexible and easily maintainable membrane. It is designed for use as a cap membrane in modified bitumen and hybrid built-up roof systems.



Product Name: USP® TuffCap 190M SBS	Thickness: 3.8 mm (150 mils)
Classification: Meets ASTM D 6222 Type I, Grade S. APP Modified Bitumen	Weight: 105 lbs/roll (48 kg/m ²)
Application Method: Applied using compatible hot asphalt or SBS cold adhesive.	Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m)

Each roll is approximately 1 square applied.

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, maximum	1.9	<2 g

Approvals: UL Classified with Underwriter's Laboratories (UL), is Factory Mutual (FM) Approved, and listed with Florida Building Code (FBC) FL-14405, Texas Department of Insurance (TDI) RC-123, and is Miami-Dade County Approved. Contact U.S. Ply, Inc. for specific/applicable codes.

TEXAS MADE ... TEXAS TUFF



Green Standards Information: USP® TuffCap 190M SBS contains approximately 10.2% of recycled materials by product weight. 3.4% 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.

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 approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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MADE IN THE U.S.A.
BY U.S. PLY, INC.**

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