

# DURAFLEX™ 250S TG SBS BASE

## Technical Data Sheet

**Product Name:** DuraFlex™ 250S TG SBS Base

**Classification:** SBS Modified Bitumen Roof Membrane

**Product Description:** DuraFlex™ 250S TG SBS Base is a smooth surfaced, premium SBS (Styrene-Butadiene-Styrene) torch applied membrane. Manufactured with a heavy-duty, high performance non-woven polyester mat for higher tear strength and puncture resistance. DuraFlex™ 250S TG SBS Base 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 torch applied base sheet in modified bitumen and built-up roof systems or as a cap sheet when surfaced with a flood coat of asphalt and gravel.

**Application Method:** DuraFlex™ 250S TG SBS Base is applied using torch welding techniques.

**Approvals:** Meets ASTM D 6164 Type II, Grade S. 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™ 250S TG SBS Base (typical)

Thickness: 3.0 mm (120 mils)

Weight: 88 lbs/roll (40 kg/m<sup>2</sup>)

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

**Green Standards Information:** DuraFlex™ 250S TG SBS contains approximately 13.3% of recycled materials by product weight. 4.2% is comprised of post consumer recycled materials and 9.1% is comprised of post industrial recycled materials. The post consumer recycled materials are derived from recycled post consumer plastics which averts disposal of plastics in landfills or commercial dumps. The post industrial 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.

<b>Physical Properties (ASTM D 5147):</b>	<b>Test Results</b>	<b>ASTM D 6164 II Minimum</b>
Tensile Strength (lbf/in), 0°F, (MD/XMD)	165/125	100 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	162/105	70 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	57/65	20%
Elongation (% @ Max Load), 73°F, (MD/XMD)	61/78	50%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	65/80	38%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	186/125	70 lbf
Low Temperature Flexibility, (°F), maximum	0°F (-18°C)	0°F
Dimensional Stability, %, maximum	< 0.5%	1%
High Temperature Stability, (°F)	215°F (101°C)	215°F

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.

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