

DURASTAR® G4 TGW SBS

Product Data Sheet

Physical Properties (ASTM D5147):	Test Results	ASTM D6163 Minimum Standard
Tensile Strength (lbf/in), 0°F (MD/XMD)	120/110 lbf/in	70 lbf/in
Tensile Strength (lbf/in), 73°F (MD/XMD)	97/67 lbf/in	30 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	4%	1%
Elongation (% @ Max Load), 73°F (MD/XMD)	3%	2%
Elongation (% @ 5% Max Load), 73°F (MD/XMD)	5/7%	3%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	105/85 lbf	35 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
Reflective Properties (EnergyStar):	Test Results	ASTM
Initial SRI Index	106.8	E-1980
Initial Solar Reflectance	0.86	C-1549
3 Year Aged Solar Reflectance	0.78	C-1549
Initial Emissivity	0.82	C-1371

DuraFlex® G4 TGW SBS is a fire-resistant, white reflective smooth surfaced, premium SBS (Styrene-Butadiene-Styrene) torch applied membrane. The surface consists of a factory applied white reflective laminate film as the weathered surface. Manufactured with a fiberglass 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 reflective cap sheet in modified bitumen torch applied roof systems.



Product Name: DuraSTAR® G4 TGW SBS

Classification: Reflective SBS Modified Bitumen Membrane

Application Method: DuraSTAR® G4 TGW SBS is applied using torch welding.

Approvals: Meets ASTM D 6163 Type I, Grade S. DuraSTAR® G4 TGW meets E108 Class A fire classification up to 1-1/2" slope on non-combustible decks. Factory Mutual (FM) Approved, and listed with EnergyStar Qualified for low slope and steep slope, also listed with Texas Department of Insurance (TDI) RC-123. Contact U.S. Ply, Inc. for specific/applicable codes.

Product Data: DuraSTAR® G4 TGW SBS (typical)

Thickness: 3.5 mm (140 mils)
 Weight: 100 lbs/roll (45.3 kg/m²)
 Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m).
 Each roll is approximately 1 square applied.

Cold Weather Precautions: Store rolls indoors or keep warm above 50°F. If rolls are stored on the jobsite, allow rolls to thoroughly return and be conditioned to ambient temperatures above 50°F for a minimum of 6 hours before installation to prevent film release. Do not install when temperatures are below 50°F unless the product has been

stored overnight at room temperature as it could result in film release. Note: Finished laps may be painted with compatible DuraSTAR® Seam Kote.

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. 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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