

# POLYFRESKO® G SBS

## HIGHLY REFLECTIVE WHITE SBS (ELASTOMERIC) CAP SHEET

### PRODUCT DESCRIPTION

Polyfresko G SBS is a premium SBS (elastomeric) modified bitumen roofing membrane designed for torch applications. Featuring patented CURE Technology®, Polyfresko G SBS has a highly reflective granule surface which meets, or exceeds most standards for cool roofing. CURE Technology features an innovative thin film technology attributing to Polyfresko's exceptional granule retention, minimal staining, scuff resistance and UV stabilization for long-term durability and performance.

Polyfresko G SBS is constructed with a superior non-woven polyester reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance.

Polyfresko G SBS membrane can be used as part of a Polyglass warranted multi-ply system, when combined with Elastoflex or Elastoshield™ base or interply sheets or other approved Polyglass base sheets.



### TYPICAL APPLICATIONS

- Designed for heat-welded applications; burn-off film bottom surface.
- Applied directly over an acceptable substrate or as part of a multi-ply system.
- Ideal for new roofing, re-roofing, and for flashing details.

### FEATURES AND BENEFITS

- Suitable for most cool roof specifications; Solar Reflectance Index (SRI) Initial: 96, Weathered: 83.
- Demonstrated to maintain exceptional reflectivity over time.
- Premium membrane construction for superior durability and puncture resistance.
- Resistance to discoloration and scuffing.
- Exceptional granule retention; 0.11 g loss vs. ASTM min 2.0 g.
- FASTLap® granule free end lap provides faster, stronger seams.
- Granule free side lap.

### TECHNICAL DESCRIPTION\*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Bottom Side Coating [minimum]	D5147	40 mils [1.0 mm]	40 mils [1.0 mm]
Peak Load at 0°F [-18°C]	D5147	70 lbf/in [12.3 kN/m]	131 lbf/in [23 kN/m] - MD 88 lbf/in [15 kN/m] - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	20%	40% - MD 55% - XMD
Peak Load at 73°F [23°C]	D5147	50 lbf/in [8.8 kN/m]	99 lbf/in [17 kN/m] - MD 66 lbf/in [12 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	35%	56% - MD 82% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	38%	75% - MD 103% - XMD
Tear Strength at 73°F [23°C]	D5147	55 lbf [246 N]	153 lbf [680 N] - MD 103 lbf [458 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	pass
Dimensional Stability [maximum]	D5147	1%	0%
Compound Stability [maximum]	D5147	215°F [102°C]	no failures
Granule Embedment [maximum loss]	D5147	2 g	0.11 g

\*The properties in this table are "as manufactured" unless otherwise noted

### AVAILABLE COLORS

Highly Reflective White



### PRODUCT DATA\*\*

Coverage (Approx)..... 100 sq ft (9.3 m<sup>2</sup>)  
 Weight (Approx) ..... 97 lbs (43.4 kg)  
 Thickness (Nominal) ..... 1.57 mils; 4.0 mm  
 Roll Size ..... 32'10" × 39 3/8" (10 m × 1 m)  
 Rolls/Pallet.....20

\*\*All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- ASTM D6164, Type I, Grade G
- UL Classified
- FM Approved
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance
- CRRC Listed
- Can be used to comply with 2016 Title 24 Part 6 Cool Roof requirements.
- ENERGY STAR® Certified



### PRODUCT CODES

- EP40KCP



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### APPLICATION INSTRUCTIONS

Polyfresko G SBS is intended to be used as the primary weathering surface in new and re-roof applications. Polyfresko G SBS is to be applied as the uppermost layer of a multi-ply roof system over a compatible Polyglass base and/or interply sheet. Polyfresko G SBS may be applied directly to certain non-combustible substrates.

- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks and required substrates prior to application with PG 100 Fast-Drying Asphalt Primer. Consult Polyglass Technical Service if alternate primer is allowed.
- When re-roofing, remove all prior roofing materials down to a clean, dust free substrate. Remove unused or abandoned through-roof penetrations.
- All substrates shall be designed with proper expansion devices.
- Wood decks shall have all joints cross blocked and/or properly supported.
- Installation of Polyfresko G SBS should not adversely affect the ventilation of existing construction.
- Do not apply directly to existing shingles or other unacceptable roof coverings.
- While installing Polyfresko G SBS:
  1. Start at the lowest point of the roof.
  2. Unroll the material and allow it to relax as membrane is positioned prior to installation.
  3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material.
  4. Do not overheat to expose or compromise the reinforcement.
  5. Position successive rolls using the 5" FASTLap at the endlap and 3" granule free side lap. Asphalt bleed out shall be ¼" to ⅜" at all seams.
  6. Laps may be lightly rolled with a 4" to 6" wide roller to ensure lap is fused
- Details and flashing may be installed using hot asphalt, cold application or torch techniques. Check project details for proper installation requirements.
- Due to the unique finish of the Polyfresko G SBS, special care should be taken when heat fusing of end lap conditions. To maintain the uniform appearance of the specialized finish, it is recommended that a cardboard core or similar be placed to support the product to prevent membrane from folding over onto itself. When seaming endlaps or other locations where sealing to the specialized surface occurs, warm the top surface of the underlying sheet first, proceed and heat backside of upper sheet to a semi-solid condition and contact the two surfaces. While still warm, using a silicone hand roller or similar, lightly apply pressure to ensure membranes are properly fused.
- Use Polyglass' CURE Technology Detail and Repair Finish to treat seams on Polyfresko G SBS cap sheet. For more information, refer to CURE Technology Detail and Repair Finish Product Data Sheet.
- For detailed drawings and recommended installation procedures of typical roof segments, such as drip edge and T-joint conditions, please refer to our website at, [www.polyglass.us](http://www.polyglass.us).

### MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

### CORPORATE HEADQUARTERS


Polyglass U.S.A., Inc.  
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**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**Product Disclaimer:** Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 5 years.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data and warranty information, visit [www.polyglass.us](http://www.polyglass.us)

 <b>RAPID RATINGS</b>		Initial	Weathered
	<b>Solar Reflectance</b>	<b>0.77</b>	<b>0.68</b>
	<b>Thermal Emittance</b>	<b>0.90</b>	<b>0.88</b>
	Rated Product ID	0616-0011a	
	Licensed Manufacturer ID	0616	
Classification	Production Line		
<small>*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced by the measured three-year aged values upon completion of the weathering process.                  Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effects of solar reflectance and thermal emittance on building performance may vary.                  Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.</small>			

**Solar Reflectance Index (SRI) – Initial: 96 • Weathered: 83**



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