

# POLYFRESKO® G SA

## HIGHLY REFLECTIVE SELF-ADHERED APP CAP SHEET

### PRODUCT DESCRIPTION

Polyfresko G SA is a highly reflective, self-adhered granular surfaced atactic polypropylene (APP) modified bitumen roofing membrane manufactured using patented ADESO® Dual-Compound Self-Adhesive technology whereby a "true" APP compound is applied on the top layer and an aggressive self-adhesive compound on the bottom.

Polyfresko G SA membrane performs to Energy Star® standards for reflectivity, is a California Title 24 compliant membrane, achieves Class A fire rating and has been tested to ensure long-term performance in the most extreme environments. Polyfresko G SA membrane is listed with the Cool Roof Rating Council (CRRC) with a Solar Reflectance Index (SRI) of 96.

Polyfresko G SA membrane features CURE Technology® - an innovative thin film technology attributing to exceptional granule retention, stain and discoloration resistance and UV stabilization for long term durability and performance. CURE Technology is solvent-free and environmentally friendly.

Polyfresko G SA is constructed with a high performance polyester reinforcement providing a roofing membrane with exceptional tensile strength and dimensional stability. Polyfresko G SA features patented FastLap® for granule free roll ends, as well as Sealap®, a factory applied adhesive treatment at the membrane overlap. Each of these patented features provide for greater ease of application as well as improved product performance.

### TYPICAL APPLICATIONS

- Designed for applications where using a propane torch is undesirable or prohibited
- For application directly over acceptable substrates and/or part of a multi-ply roof system
- Ideal for new roofing, re-roofing or for flashing detail

### FEATURES AND BENEFITS

- Suitable for most cool roof specifications; SRI value of 96
- Premium membrane construction for exceptional durability and puncture resistance
- Exceptional granule retention and stain resistance

### TECHNICAL DESCRIPTION

TEST METHOD	PROPERTY	ASTM VALUE
ASTM D5147	Peak Load @ 23+/-2C (73.4+/-3.6F), MD and XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147	Elongation @ 23+/-2C (73.4+/-3.6F), MD and XMD, min (%)	23
ASTM D5147	Tear Strength @ 23+/-2C (73.4+/-3.6F), min, N (lbf)	311 (70)
ASTM D5147	Low Temperature Flexibility, max, C (F)	0 (32)
ASTM D5147	Granule Embedment, g	2
ASTM D1970	Adhesion to Plywood @ 40°F, min, lbf/ft width	2.0
ASTM D1970	Adhesion to Plywood @ 75°F, min, lbf/ft width	12.0
ASTM D1970	Sealability around nail	pass
ASTM D1970	Waterproof integrity after low temp flexibility	pass
ASTM D1970	Waterproof integrity of lap seam	pass

### AVAILABLE COLORS

Highly Reflective White

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### PRODUCT DATA

Coverage (Approx).....	100 sq ft
Weight (Approx).....	90 lbs
Thickness (Nominal).....	4.0 mm; 160 mils
Roll Size.....	32'10" x 39 3/8" (10m x 1m)
Rolls/Pallet.....	20

### APPLICABLE STANDARDS

- ASTM D6222 Type I, Table 1
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- Miami Dade Code Compliance
- ICC ESR-2018
- CRRC Listed
- FBC
- TDI



### PRODUCT WARRANTY

Polyglass U.S.A., Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 20 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass U.S.A., Inc. Sales or Technical Representative for specifications and details.



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### APPLICATION INSTRUCTIONS

Polyfresko G SA is intended to be used as a cap sheet for new or re-roof applications as part of a multi-ply system when applied to acceptable insulations and/or coverboards for commercial and residential structures. Polyfresko G SA may also be applied directly to approved wood deck substrates of non-occupied spaces such as carports, sheds, canopies, etc.

- Apply only when the weather and forecast is dry and the ambient air temperature and substrate is 40°F (5°C) and rising.
- Apply over clean, dry, dust and debris-free substrates. Prime concrete decks prior to application with PG 100 Asphalt Primer.
- When re-roofing, remove all prior roofing materials down to a clean debris-free substrate and properly close-off all abandoned roof penetrations.
- Concrete or steel decks shall be designed with proper expansion devices.
- Wood decks shall have all joints blocked and/or properly supported as required by Code.
- Ensure the installation of Polyfresko G SA does not prevent the ventilation of existing construction.
- Do not apply over shingles or other granulated surface.
- While installing Polyfresko G SA:
  1. Start at the low point of the roof.
  2. Unroll the material and allow to relax.
  3. Start by removing the first 18-24" of release film.
  4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
  5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
  6. Position successive rolls providing a minimum 6" end lap and 4" side lap. End laps or any lap of the adhesive backside to the reflective surface to be sealed using a hot-air welder or flameless torch. Ensure a watertight seal.
  7. All flow at seams to have granule broadcast into the molten compound. Using the Polyglass Detail & Repair Finish to cover the granules for a uniform reflective appearance.
  8. After installation of the entire roof surface, roll with an 80# split-face linoleum roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.
- Details and flashing may be installed using Polyfresko G SA with a hot air welder or with PG 500 Roof Cement. Check project details for proper installation requirements.
- Use Polyglass Detail & Repair Finish to treat seams on Polyfresko G SA cap sheet. For more information, refer to the Polyglass Detail & Repair Finish Product Data Sheet.

### POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- Winter Haven, FL

### CORPORATE HEADQUARTERS

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**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.

 COOL ROOF RATING COUNCIL		Initial	Rapid Ratings*	Weathered
	Solar Reflectance	0.77	0.72	Pending
Thermal Emittance	0.90	0.90	Pending	
Solar Reflectance Index (SRI)	96	89	Pending	
Rated Product ID Number	0616-0011a			
Licensed Seller ID Number	0616			

\*CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values. These values will be replaced with 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 effect 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.

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)

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