POLYFRESKO® G
HIGHLY REFLECTIVE WHITE APP CAP SHEET

PRODUCT DESCRIPTION

Polyfresko G is a premium Atactic Polypropylene (APP) modified bitumen roofing membrane specifically designed for torch applications. Featuring patented CURE Technology®, Polyfresko G 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 is constructed with a non-woven polyester reinforcement that provides flexibility and dimensional stability as well as superior tear and puncture resistance.

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

TYPICAL APPLICATIONS

• Designed for heat-welded applications; burn-off film bottom surface
• For application directly over acceptable substrates and/or part of multi-ply systems
• Ideal for new roofing, re-roofing, and for flashing details

FEATURES AND BENEFITS

• Suitable for most cool roof specifications; Solar Reflectance Index (SRI) of 96 (initial) and 83 (3 year weathered)
• Demonstrated to maintain exceptional reflectivity over time
• Premium membrane construction for superior durability and puncture resistance
• Resistance to discoloration and scuffing
• Exceptional granule retention; 0.09 g loss vs. ASTM min 2.0 g
• Granule free selvage edge

TECHNICAL DESCRIPTION*

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Method</th>
<th>ASTM Value</th>
<th>Typical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom side coating thickness [min]</td>
<td>D5147</td>
<td>30 mils [0.76 mm]</td>
<td>55 mils [1.4 mm]</td>
</tr>
<tr>
<td>Peak load at 73°F [23°C]</td>
<td>D5147</td>
<td>≥ 50 lb/in [≥ 8.8 kN/m]</td>
<td>99 lb/in [21 kN/m]</td>
</tr>
<tr>
<td>Elongation at Peak Load at 73°F [23°C]</td>
<td>D5147</td>
<td>≥ 23%</td>
<td>43%</td>
</tr>
<tr>
<td>Ultimate Elongation at 73°F [23°C]</td>
<td>D5147</td>
<td>≥ 30%</td>
<td>47%</td>
</tr>
<tr>
<td>Low temperature flexibility, maximum</td>
<td>D5147</td>
<td>≤ 32°F [≤ 0°C]</td>
<td>18°F [8°C]</td>
</tr>
<tr>
<td>Compound stability, minimum</td>
<td>D5147</td>
<td>≥ 230°F [≥ 110°C]</td>
<td>302°F [150°C]</td>
</tr>
<tr>
<td>Granule embedment, maximum loss</td>
<td>D5147</td>
<td>2 g</td>
<td>0.09 g</td>
</tr>
</tbody>
</table>

*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 m²) |
| Weight (Approx) | 110 lbs (50 kg) |
| Thickness (Nominal) | 165 mils (4.2 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 D6222 Type I, Grade G
• UL Classified
• FM Approved
• ICC ESR-2018
• 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

• PF45KCPZ
POLYFRESKO® G
HIGHLY REFLECTIVE WHITE APP CAP SHEET

APPLICATION INSTRUCTIONS
Polyfresko G is intended to be used as the primary weathering surface in new and re-roof applications. Polyfresko G 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 may be applied directly to certain non-combustible substrates.

- Apply over a clean, dry and dust free substrate. Prime required substrates prior to application with PG 100 or alternative primers as approved by Polyglass.
- 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 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:
  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 providing for a minimum 6” endlap and 3” sidelp. Bleed out of APP asphalt should be ¼” to ⅛” at all seams.
  6. Laps may be lightly rolled with a 4” to 6” wide roller to ensure lap is fused.
- Details and flashings may be installed using torch applied techniques. Do not adhere using cold adhesives or hot asphalt. Refer to manufacturer’s published details for proper design and installation of detail work.
- Due to the unique finish of the Polyfresko G, 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 cap sheet. For more information, refer to CURE Technology Detail and Repair Finish Product Data Sheet.

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

CORPORATE HEADQUARTERS
Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us
General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 802-8017
Questions? technical@polyglass.com

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

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