**Sarnafil® S327 EnergySmart Roof Membrane**

▲ 1.2 mm (48 mil) ▲ 1.5 mm (60 mil) ▲ 1.8 mm (72 mil) ▲ 2.0 mm (80 mil) ▲ Feltback

**Description**
The Sarnafil® S327 EnergySmart Roof membrane is a heat-weldable membrane produced with an integral polyester reinforcement for high strength, for use in a Sika® Sarnafil® Mechanically-Attached System.

**Composition**
The Sarnafil® S327 EnergySmart Roof membrane is a high-quality, thermoplastic PVC membrane with a polyester scrim reinforcement. The Sarnafil® S327 Roof membrane features a unique lacquer coating applied to the top of the membrane to reduce dirt pick up.

Sika Canada’s EnergySmart Roof colour family consists of White, Tan, Light Grey, and Patina Green.

**Features**
- High strength.
- Meets LEED®/Green Globe™ Requirements for Cool Roofing (see chart).
- Recycled content (see chart).
- Lacquer coated to reduce dirt pick up.
- Hot-air welded seams for long-term performance.
- Proven membrane performance.

**Codes and Approvals**
Sika® Canada’s Mechanically-Attached Systems using Sarnafil® S327 PVC membranes are classified by Underwriters Laboratories, Inc., Underwriters Laboratories of Canada, FM Global, Miami-Dade and Florida Building Code. Sarnafil® membranes also meet the material requirements of the International Building Code. For more information, please visit the “technical downloads” section of our website.

**Packaging/Storage**
Membrane rolls are wrapped in a protective film and strapped to a wood pallet.

- **Dimensions:**
  - EnergySmart White, Tan and Light Grey are available as 3 m (10 ft) wide.
  - EnergySmart Patina Green is available as 2 m (6.5 ft) wide.

- **Thickness:**
  - 1.2 mm (48 mils) / 1.5 mm (60 mils) / 1.8 mm (72 mils) / 2.0 mm (80 mils)

- **Weight (depending on thickness of membrane and feltbacking):**
  - 2 m (6.5 ft) rolls weigh between 73 - 88 kg (161 - 195 lb)
  - 3 m (10 ft) rolls weigh between 120 - 170 kg (265 - 375 lb)

**Installation**
Sarnafil® S327 Roof membrane is installed by a Sika Canada Authorized Applicator. The membrane is rolled out onto the insulation board or acceptable substrate, fastened to the roof deck and heat-welded together by trained operators using Sika® Sarnafil®’s hot-air welding equipment.

**Availability**
The Sarnafil® S327 Roof membrane is available directly from Sika Canada Authorized Applicators when used within a Sarnafil® Roofing or Waterproofing System. Contact Sika Canada or visit www.sika.ca for further information.

**Warranty**
Upon successful completion of the installed roof by the Sika Canada Authorized Applicator, Sika Canada can provide a Warranty to the Building Owner via the Authorized Applicator.
**Technical Support**

Sika Canada provides technical support. Technical staff is available to advise applicants as to the proper installation method.

**Technical Data**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>ASTM Test Method</th>
<th>ASTM D4434 Type III Requirement</th>
<th>Typical Physical Properties</th>
</tr>
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<tbody>
<tr>
<td>Reinforcing Material</td>
<td>-</td>
<td>Polyester</td>
<td>Polyester</td>
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<tr>
<td>Overall Thickness, mm (mils)</td>
<td>D571</td>
<td>1.14 (45)</td>
<td>Polyester</td>
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<tr>
<td>Thickness Above Scrim, mm (mils)</td>
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<td>0.41 (16)</td>
<td>Polyester</td>
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<tr>
<td>Fall Weight, g/m² (oz/yd²) feltback membrane only</td>
<td>-</td>
<td>305 (9)</td>
<td>305 (9)</td>
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<tr>
<td>Breaking Strength (M.D.) min., KN/m (lb/ln)</td>
<td>D571</td>
<td>35 (200)</td>
<td>51 (296)</td>
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<tr>
<td>Elongation at Break, (% -Machine Direction -Cross Direction)</td>
<td>D571</td>
<td>15</td>
<td>15</td>
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<tr>
<td>Seem Strength, min. (% of original)*</td>
<td>D571</td>
<td>75</td>
<td>Pass</td>
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<tr>
<td>Retention of Properties After Heat Aging</td>
<td>D3045</td>
<td>-</td>
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</tr>
<tr>
<td>-Tensile Strength, min. (% of original)</td>
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<td>90</td>
<td>Pass</td>
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<tr>
<td>-Elongation, min. (% of original)</td>
<td>D571</td>
<td>90</td>
<td>Pass</td>
</tr>
<tr>
<td>Tearing Strength, min. N (lbf)</td>
<td>D1004</td>
<td>200 (45)</td>
<td>209 (47)</td>
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<tr>
<td>Low Temperature Bend -40°C (-40°F)</td>
<td>D2136</td>
<td>Pass</td>
<td>Pass</td>
</tr>
<tr>
<td>Accelerated Weathering Test (Florescent Light, UV exposure)</td>
<td>G154</td>
<td>5000 h</td>
<td>10 000 h</td>
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<tr>
<td>-Cracking (7x magnification)</td>
<td>-</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>-Discoloration (by observation)</td>
<td>-</td>
<td>Négligeable</td>
<td>Négligeable</td>
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<td>Linear Dimensional Change (C.D.) (%)</td>
<td>D1204</td>
<td>0.5 max.</td>
<td>-0.10</td>
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<tr>
<td>Weight Change After Immersion in Water (%)</td>
<td>D570</td>
<td>± 3.0 max.</td>
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<tr>
<td>Static Puncture Resistance 15 kg (33 lb)</td>
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<td>Pass</td>
</tr>
<tr>
<td>Recycled Content (3 m only)</td>
<td>0 % Pre-Consumer ; 1 % Post-Consumer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EnergySmart Colours**

- White*1
- Tan*1
- Light Grey*2
- Patina Green*2

*1: Sika Sarnafil EnergySmart White and Tan membranes meet ENERGY STAR, LEED, Green Globes and California’s Title 24 criteria for Low and Steep Slope applications.

*2: Sarnafil EnergySmart Light Grey and Patina Green membranes meet ENERGY STAR, LEED and Green Globes criteria for Steep Slope applications. EnergySmart Light Grey meets California’s Title 24 criteria for Steep Slope applications. EnergySmart Patina Green meets Title 24 criteria for steep slope applications with a 3 year calculated value of 0.445 when using Title 24’s aged reflectance equation.

ENERGY STAR is only valid in the United States.

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The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika’s current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.

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An ISO 9001 certified company
Pointe-Claire: ISO 14001 certified EMS