PRODUCT DATA SHEET

Sarnafil® G 410-60 SA Textured

Sarnafil G 410 Roof Membrane is a PVC thermoplastic membrane

PRODUCT DESCRIPTION

Sarnafil® G 410-60 SA Textured Roof Membrane is a PVC thermoplastic membrane with a factory applied pressure-sensitive adhesive backing and siliconized polyethylene release liner. It is produced with an integral fiberglass mat reinforcement for excellent dimensional stability, with heat-weldable seams, and a textured surface.

USES

Sarnafil G 410 SA Textured is used in adhered systems for new roofs, reroofs, and recover.

AREAS OF APPLICATION

Sika Approved Insulations and Cover Boards
- Polyisocyanurate Insulations
- High Density Polyisocyanurate Roof Boards
- Gypsum Boards with Primed Facer
- Plywood

CHARACTERISTICS / ADVANTAGES

- Embossed surface
- VOC free and odor free
- Factory applied adhesive to reduce on-site installation labor and ensure uniform adhesive application
- Low temperature application limit of 20°F (-7°C)
- Excellent dimensional stability
- Factory applied lacquer coating to reduce dirt pick up
- Hot-air welded seams for long-term performance
- Superior fire resistance
- Proven membrane performance

APPROVALS / STANDARDS

- FM Global
- Underwriters Laboratories
- Miami-Dade County
- Florida Building Code
- LEED / Green Globes
- NSF/ANSI 347: Platinum Certified
### PRODUCT INFORMATION

<table>
<thead>
<tr>
<th><strong>Chemical Base</strong></th>
<th>High-quality PVC membrane containing ultraviolet light stabilizers, flame retardant, fiberglass reinforcement, with a unique lacquer coating on the top surface and pressure-sensitive adhesive with a removable siliconized polyethylene release liner on the back surface.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Reinforcing Material</strong></td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>
| **Packaging** | 60 mil (1.5 mm) Membrane  
6.56 ft x 65.6 ft (2 m x 20 m) roll, 195 lbs (88 kg) per roll  
10 rolls per pallet |
| **Appearance / Color** | • Top: White, Gray, and Tan  
• Bottom: Gray  
• Pressure Sensitive Adhesive: Clear |
| **Shelf Life** | Sarnafil G 410 SA has a shelf life of up to 12 months. An extension may be offered, when properly stored between 60°F (16°C) and 80°F (27°C), and out of direct sunlight upon technical review. |
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| **Top surface** | Textured |
| **Overall Thickness** | 60 mil (1.5 mm), minimum thickness  
45 mil |
| **Thickness Above Scrim** | Exceed  
16 mil |

### TECHNICAL INFORMATION

| **Resistance to Static Puncture** | Pass  
33 lbf (15 kg) |
| **Resistance to Dynamic Puncture** | Pass  
7.3 ft-lbf (10 J) |
| **Tensile Strength** | 80 lbf/in (356 N)  
55 lbf/in (245 N) |
| **Elongation at Break** | 250 & 220% MD & CMD¹  
250 & 220% MD & CMD¹ |
| **Linear Dimensional Change** | -0.02%  
0.1% |
| **Tear Strength** | 17.5 lbf (78 N)  
10 lbf (45 N) |
| **Seam Strength** | Pass  
75% of original² |
| **Low Temperature Bend** | Pass  
Pass -40°F (-40°C) |

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¹ MD = Machine Direction, CMD = Cross Machine Direction.  
² Failure occurs through the membrane rupture not seam failure.
Retain Properties after Heat Ageing

<table>
<thead>
<tr>
<th>Property</th>
<th>% of Original</th>
<th>ASTM Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>Pass</td>
<td>D-3045</td>
</tr>
<tr>
<td>Elongation</td>
<td>Pass</td>
<td>D-751</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>90</td>
<td>Type II D-4434 Spec. Requirement</td>
</tr>
<tr>
<td>Elongation</td>
<td>90</td>
<td></td>
</tr>
</tbody>
</table>

UV Exposure

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Hours</th>
<th>ASTM Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,000</td>
<td></td>
<td>G-154</td>
</tr>
<tr>
<td>5,000</td>
<td></td>
<td>Type II D-4434 Spec. Requirement</td>
</tr>
</tbody>
</table>

- Cracking: None
- Discoloration: Negligible
- Crazing: None

Weight Change after Immersion in Water

<table>
<thead>
<tr>
<th>Change</th>
<th>%</th>
<th>ASTM Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pass</td>
<td>± 3.0%</td>
<td>D-570</td>
</tr>
</tbody>
</table>

APPLICATION INSTRUCTIONS

APPLICATION

Sarnafil G 410 SA is installed after proper preparation of the approved substrate. The membrane is unrolled and positioned in place with the selvage edge lapping the adjacent roll to allow for the 3" (76 mm) side lap. Fold back half of the sheet onto itself in the long direction and carefully cut the release liner with the cutting tool provided by Sika without damaging the membrane. Peel back 3 - 5" (76 - 127 mm) of the release liner and press firmly onto the substrate. Weight may be necessary on the membrane when first starting. Continue removing the release liner from the membrane in a smooth, wrinkle-free manner while maintaining the 3" (76 mm) side lap. Immediately roll the membrane with a minimum 100 lb (45 kg) steel roller. Remove the remaining release liner from the other half of the membrane using the above process and immediately roll the membrane with the steel roller. Sarnafill G 410 SA side lap seams are heat-welded together by trained operators using hot-air welding equipment. End laps and all cut edges are butted together and an 8" (203 mm) Sarnafill G 410 coverstrip is hot-air welded over the butt and cut edge joints.

Use Sarnafil G 410 SA, Sarnafil G 410 SA Textured, Detail Membrane, and/or Sarnafil prefabricated flashings for flashings on all Sarnafil Textured roof membrane projects. Please consult Sika’s Specification or Applicator Hand-book for detailed installation procedures.

MAINTENANCE

Standard maintenance of Sarnafil systems should include regular inspection of flashings, drains, and termination sealants at least twice a year and after each storm.

AVAILABILITY/WARRANTY

AVAILABILITY

From Sika Corporation – Roofing Authorized Applicators for use within Sarnafil or Sikaplan systems.

WARRANTY

Upon successful completion of the installed roof by the Sika Authorized Applicator, Sika Corporation will provide a warranty to the Building Owner via the Sika Authorized Applicator.

LIMITATIONS

- The ambient and substrate temperature must be 20°F (-7°C) or above during application.
- Not to be applied directly to concrete decks, lightweight insulated concrete decks, gypsum decks or polystyrene products.
- Sarnafil membranes are incompatible with asphalt, coal tar, heavy oils, roofing cements, creosote and some preservative materials.
- A static electric charge may develop when removing the release liner from the pressure-sensitive adhesive on the back of the membrane. Care should be used when removing and handling the release liner to avoid ignition. Lids must be closed on any flammable products and a fire extinguisher should be readily available.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.
ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

• KEEP CONTAINER TIGHTLY CLOSED
• KEEP OUT OF REACH OF CHILDREN
• NOT FOR INTERNAL CONSUMPTION
• FOR INDUSTRIAL USE ONLY
• FOR PROFESSIONAL USE ONLY

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SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product’s shelf life. User determines suitability of product for intended use and assumes all risks. User’s and/or buyer’s sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

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