Sarnacol® AD Feltback Membrane Adhesive

Overview:
Sarnacol® AD Feltback Membrane Adhesive is a two-component foamable polyurethane adhesive that is applied in one step and sets up in minutes. Sarnacol AD Feltback Membrane Adhesive is used to bond felt backed Sika Sarnafil membranes to approved substrates.

Composition:
- VOC Content: <3.6 g/L (A&B combined)
- Shelf Life is 12 months
- See Material Safety Data Sheet for more information.

Features:
- One step applicator that minimizes error due to poor mixing.
- Labor savings due to quick and easy application.
- No expensive application equipment required.
- Low odor due to no solvents

Packaging:
Sarnacol AD Feltback Membrane Adhesive is available in box sets and cartridges.

Box Sets:
- 10 gallon sets (5 gal. part A and 5 gal. part B)

Cartridges:
- 1500 ml cartridge sets for use in specially designed applicators. 4 sets per case. Each case weighs approx. 20 lbs.

Store in a cool, dry location at temperatures between 55°F (12.7° C) and 85°F (29.4° C). Protect from freezing at all times.

Installation:
All work surfaces should be clean, dry, free of dirt, dust, debris, oils and other contaminants that may result in a surface that is not sound or is uneven.

Cartridge Application:
Remove the plastic plugs from the cartridge mixing head. Attach a mixing tip to the threaded mixing head. Place the cartridge into the applicator. When starting a new tube, some of the material should be pumped out initially into a bucket or other suitable receptacle to make sure of a proper mix. Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate, using a ribbon pattern. Space the 1 in. (25 mm) wide beads at a maximum of 12 in. (30 cm) o.c. to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to begin to rise before placing the feltback membrane into the adhesive. The adhesive is designed to provide approximately 5-10 minutes of open time during a typical summer day.

Box Sets:
Install Part A and Part B components following instructions on the packaging. Always insure that the Part A and Part B containers are always hooked to the same dispensing holders or hoses (i.e. do not reverse the dispenser holders and hoses between Part A and Part B). All valves on the dispensing unit must be completely opened so a 1:1 ratio is achieved when moving the adhesive through the disposable mix tip and onto the substrate in a semi-liquid state. Apply the Sarnacol AD Feltback Membrane Adhesive directly to the substrate, using a ribbon pattern. Space the 1 in. (25 mm) wide beads at a maximum of 12 in. (30 cm) o.c. to achieve proper coverage rate. Actual ribbon spacing will depend on the wind uplift rating required. Allow the adhesive to begin to rise before placing the feltback membrane into the adhesive. The adhesive is designed to provide approximately 5 - 10 minutes of open time during a typical summer day.
Approved Insulations
• Polyisocyanurate Insulation
• High Density ISO Roof Boards
• Gypsum Roof Boards

Approved Substrates
• Concrete
• Light Weight Insulated Concrete
• Mineral Surface Asphalt Roofs
• Aged Smooth Surface Asphalt Roofs
• Gypsum Decks

Typical Physical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, Part A</td>
<td>ASTM D-1622</td>
<td>1.23 lb./cf</td>
</tr>
<tr>
<td>Density, Part B</td>
<td>ASTM D-1622</td>
<td>1.00 lb./cf</td>
</tr>
<tr>
<td>Density, 1:1 Volume Ratio</td>
<td>ASTM D-1622</td>
<td>1.12 lb./cf</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D-412</td>
<td>260 psi</td>
</tr>
<tr>
<td>VOC Content</td>
<td>ASTM D-2369</td>
<td>&lt;3.6 g/l (A&amp;B Combined)</td>
</tr>
<tr>
<td>Tack Free Time</td>
<td></td>
<td>3-8 Minutes</td>
</tr>
<tr>
<td>Color, Part A</td>
<td></td>
<td>Amber</td>
</tr>
<tr>
<td>Color, Part B</td>
<td></td>
<td>Clear</td>
</tr>
<tr>
<td>Color, 1:1 Volume Ratio</td>
<td></td>
<td>Light amber to off white</td>
</tr>
<tr>
<td>Solids Content</td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>Brookfield Viscosity, Part A</td>
<td></td>
<td>275 Mpa.s</td>
</tr>
<tr>
<td>Brookfield Viscosity, Part B</td>
<td></td>
<td>400 Mpa.s</td>
</tr>
</tbody>
</table>

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

Coverage:
Application rates vary depending on surface roughness and absorption rate of the substrate. Typical coverage rates for the 5 gallon (18.9 L) box sets are 1,800 to 2,200 sq.ft (167 - 204 m2). Typical coverage rates when using the cartridge is 400 to 600 sq.ft. (37m2 – 56 m2) per case (4, 1.5 L cartridges). All coverage rates are based on 12 inch (30cm) on center maximum spacing.

Availability:
Sarnacol AD Feltback Membrane Adhesive is available directly from authorized Sika Sarnafil Applicators when used within a Sika Sarnafil Roofing System. Contact your Sika Sarnafil Regional Office or visit our website for further information.

Warranty:
As a Sika Sarnafil-supplied accessory, Sarnacol AD Feltback membrane Adhesive is included in Sika Sarnafil’s Standard or System Warranty to the Building Owner.

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