**GacoFlex™ A46 Series**

**DESCRIPTION:**
GacoFlex A46 Series water-borne acrylic roof coatings have strong adhesion to sprayed polyurethane foam and many other common roofing substrates and possess strong tensile strength, water resistance and exterior weatherability properties.

**USAGE:**
GacoFlex A46 is intended as a protective coating for roof maintenance applications, including for use over sprayed polyurethane foam, aged asphaltic roofs, metal roofs and aged single ply roofing membranes.

**LIMITATIONS:**
Not intended for low slope surfaces subject to water ponding. Consider GacoFlex Silicone Roof Coatings when long term resistance to ponding water is required. GacoFlex A4271 BleedTrap™ Base Coat may be used over asphaltic surfaces to reduce the potential for discoloration caused by oil migration into the A46 coating. Not suitable for use on gravel-surfaced built-up roofs.

**COLORS:**
A4600 White Top Coat. Custom colors also available.

**APPLIED PRODUCT DATA**

**ADHESION:**
Excellent adhesion to polyurethane foam, such as F2733 GacoRoofFoam, aged asphaltic roofs, metal roofs, and aged single ply membranes. Some metal roofs may require GacoFlex™ E5320 primer before application. An anti-corrosive metal primer may be used on ferrous metal roofs to help prevent corrosion from spreading. Metal panels must be structurally sound to serve as a suitable substrate for a coating system. Do not coat over existing silicone roofs.

**TOXICITY:**
Not for use in contact with edible substances or potable water.

**PHYSICAL PROPERTIES:**

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Test</th>
<th>Result</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength @ 73˚F</td>
<td>D2370</td>
<td>255 psi</td>
<td></td>
</tr>
<tr>
<td>Tear Resistance (Die C)</td>
<td>D624</td>
<td>68.5 lbs/in</td>
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<tr>
<td>Tear Resistance (Die C)</td>
<td>D642</td>
<td>77.8 lbf/in 1000 hrs</td>
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<tr>
<td>Low Temperature Flex</td>
<td>D522</td>
<td>Pass</td>
<td>½” Mandrel, -15° F</td>
</tr>
<tr>
<td>Low Temperature Flex – 1,000 Hours</td>
<td>D522</td>
<td>Pass</td>
<td>½” Mandrel, -15° F</td>
</tr>
<tr>
<td>Water Vapor Permeability – 20 mils DFT (inch pounds)</td>
<td>E96</td>
<td>7.0 Perms</td>
<td></td>
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<tr>
<td>Wet Adhesion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foam</td>
<td>C 794/D 903</td>
<td>Pass</td>
<td>2.0 lbs. min</td>
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<tr>
<td>Galvanized Steel</td>
<td></td>
<td>Pass</td>
<td>2.0 lbs. min</td>
</tr>
<tr>
<td>Plywood</td>
<td></td>
<td>Pass</td>
<td>2.0 lbs. min</td>
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<tr>
<td>SBS Cap Sheet</td>
<td></td>
<td>Pass</td>
<td>2.0 lbs. min</td>
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<tr>
<td>APP</td>
<td></td>
<td>Pass</td>
<td>2.0 lbs. min</td>
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<tr>
<td>Water Swelling</td>
<td>D471</td>
<td>5%</td>
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<tr>
<td>Solar Performance</td>
<td>ASTM Test</td>
<td>Initial</td>
<td>After Soiling</td>
</tr>
<tr>
<td>Solar Reflectance – A4600 White</td>
<td>C1549</td>
<td>0.835</td>
<td>0.795</td>
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<tr>
<td>Thermal Emittance – A4600 White</td>
<td>C1371</td>
<td>0.89</td>
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<tr>
<td>Solar Reflectivity Index – A4600 White</td>
<td>E1980</td>
<td>104</td>
<td>99</td>
</tr>
</tbody>
</table>

[gaco.com] 800.331.0196
PACKAGED PRODUCT DATA

THEORETICAL COVERAGE: 818 Sq Ft/Gal/Mil (20.08 m²/L/0.02 mm)

SOLIDS:
- Weight: ASTM D1644  66.5%
- Volume: ASTM D2697  51.0%

VISCOSITY:
- ASTM D2697 – 115–135 KU’s

V.O.C.:
- EPA Method 24 <50 Grams/liter

WEIGHT PER GALLON: 12.20 LBS/GAL

FLASH POINT:
- ASTM D1310 > 200°F (> 93°C)

STORAGE STABILITY:
- 24 months. Protect from freezing. Some separation may occur after extended storage. Stir thoroughly before use.

APPLICATION

MIXING:
Mix before application to ensure uniform color and consistency.

THINNING:
Thinning is not recommended under normal conditions.

APPLICATION:
- Apply only when air, material, and surface temperatures are between 50°F and 110°F.
- Mix until A46 is homogenous before application. Apply product in the morning to allow for maximum cure time during the daylight hours. If roof temperature is over 100 °F, a light mist of water may be used to increase working time.
- A46 coatings may be applied with a 3/8” nap roller, brush, or airless sprayer.
- Sprayer recommendations (general): 2,000-3,000 psi pressure at the gun tip, 1.0-3.0 gallon per minute flow rate, and tip sizes ranging from 0.025-0.040 inches. Larger spray units will allow for longer hoses on larger jobs.
- Two coats of A46 at 1.25 gal/100 square feet per coat are required to achieve a total dry film thickness of 20 mils. Additional material may be required to achieve 20 mils. Do not exceed 1.5 gal/100 square feet per coat.
- Minimum cure time between coats is 4 hours at 75 ºF and 50% RH. Longer cure times are needed in lower temperatures and higher humidity conditions. Do not coat roof when rain or heavy dew is expected within 2 hours.
- Do not apply directly to ponded or standing water. Make sure roof surface is completely dry, clean and free of dirt, grease, biological soiling, loose granules or paint before coating.
- When necessary, use GacoWash at 1 part concentrate to 9 parts water to clean roof before application.
- Repair all leaks, cracks, and seal flashings before applying A46 coatings.

CLEAN UP:
Clean up tools and equipment with soap and water immediately after application. Follow spray equipment manufacturer’s guidelines on clean up and maintenance of spray equipment.

*For specific Safety and Health information, please refer to A46 Safety Data Sheet.*