



**Product Data Sheet:**

**GacoFlex™ A46 Series**

Revised: 05/2020

**GACOFLEX A46  
ACRYLIC ROOF COATING**

- 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:**

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

### PACKAGED PRODUCT DATA

<b>THEORETICAL COVERAGE:</b>	818 Sq Ft/Gal/Mil (20.08 m <sup>2</sup> /L/0.02 mm)	
<b>SOLIDS:</b>	Weight: ASTM D1644	66.5%
	Volume: ASTM D2697	51.0%
<b>VISCOCITY:</b>	ASTM D2697 – 115–135 KU's	
<b>V.O.C.:</b>	EPA Method 24	<50 Grams/liter
<b>WEIGHT PER GALLON:</b>	12.20 LBS/GAL	
<b>FLASH POINT:</b>	ASTM D1310	> 200°F (> 93°C)
<b>STORAGE STABILITY:</b>	24 months. Protect from freezing. Some separation may occur after extended storage. Stir thoroughly before use.	

### APPLICATION

<b>MIXING:</b>	Mix before application to ensure uniform color and consistency.
<b>THINNING:</b>	Thinning is not recommended under normal conditions.
<b>APPLICATION:</b>	<p>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.</p> <p>A46 coatings may be applied with a 3/8" nap roller, brush, or airless sprayer.</p> <p>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.</p> <p>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.</p> <p>Minimum cure time between coats is 4 hours at 75 °F 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.</p> <p>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.</p> <p>When necessary, use GacoWash at 1 part concentrate to 9 parts water to clean roof before application.</p> <p>Repair all leaks, cracks, and seal flashings before applying A46 coatings.</p>
<b>CLEAN UP:</b>	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.*