



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% | |
| Solar Performance | ASTM Test | Initial | After Soiling |
| 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

| | | |
|------------------------------|---|------------------|
| THEORETICAL COVERAGE: | 818 Sq Ft/Gal/Mil (20.08 m ² /L/0.02 mm) | |
| SOLIDS: | Weight: ASTM D1644 | 66.5% |
| | Volume: ASTM D2697 | 51.0% |
| VISCOCITY: | 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

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|---------------------|--|
| MIXING: | Mix before application to ensure uniform color and consistency. |
| THINNING: | Thinning is not recommended under normal conditions. |
| APPLICATION: | <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> |
| 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.*