



Product Data Sheet (PDS):

**GacoFlex™ 127 Series
Acrylic Roof Coating**

Revised: 07/2025

GACOFLEX 127 SERIES ACRYLIC ROOF COATING

A. DESCRIPTION:

GacoFlex 127 is a single component, water-based Fire-rated acrylic, elastomeric coating. It provides excellent protection and is a weather barrier for many types of roofing substrates including spray polyurethane foam.

B. RECOMMENDED USE:

GacoFlex 127 is a versatile, economic, and easily applied coating. Primary uses are to protect waterproof metal buildings and polyurethane foam insulation. It may also be used over smooth BUR, Single-Ply Membranes.

Use is restricted to circumstances where the membrane surface is in sound condition but requires a renewal of the surface due to the normal effects of use and aging.

C. LIMITATIONS:

Not intended for low-slope applications (< 2:12) or over surfaces prone to ponding water. Consider GacoFlex silicone roof coatings when long term resistance to ponding water is required. Not suitable for use over gravel-surfaced built-up roofs or asphalt shingles.

- Prior to the application of any topcoat over new or freshly applied asphalt-based product consult with the asphalt product manufacturer or NRCA guidelines for necessary asphalt cure times prior to coating.
- Substrate must be clean, smooth, and free of dirt, rust, and/or moisture. Power washing of substrate is recommended.
- GacoFlex 127 must not be applied during inclement weather and should not proceed if any precipitation is imminent.
- Application of materials with power spray equipment will require some masking and possible erection of wind screens to prevent overspray damage to surrounding structures, building surfaces, vehicles or other property or persons.

D. APPROVALS:

GacoFlex 127 has undergone and passed the appropriate testing standards to achieve the following approvals:



E. PACKAGED PRODUCT DATA:

PROPERTY	DESCRIPTION
COLOR***	WHITE
	GRAY
	ENERGY TAN
ADHESION	Excellent adhesion to polyurethane foam, such as GacoFlex GacoRoofFoam™, aged asphalt roofs, metal roofs, aged single-ply membranes, and existing

	coatings. Some metal roofs may require priming with GacoFlex Acrylic Metal Rust Primer. Metal panels must be structurally sound to serve as a suitable substrate for a roof coating. GacoFlex Gaco Prime LVOC Primer may be required over existing coatings. BUR roofing substrates smooth or granulated require priming the substrate with GacoFlex Acrylic Asphalt Primer prior to the application of GacoFlex 127. Do not apply GacoFlex 127 Series Roof Coating over existing silicone coatings.
THEORETICAL COVERAGE	100 ft ² / gal / mil (9.3 m ² / 3.78 L / 8.5 mil DFT)
SOLIDS	Weight: 65 % ASTM D1644 Volume: 53.0 % ASTM D2697
STORAGE STABILITY	24 months when stored between 50 °F – 85 °F (10 °C – 30 °C). Do not allow product to freeze. Some separation may occur after extended storage. Mix thoroughly before use.
TOXICITY	Not for use in contact with edible substances or potable water.
V.O.C.	< 50 g / L EPA Method 24
FLASH POINT	> 200 °F (> 93 °C) ASTM D1310
VISCOSITY	17000-21000 cps
DENSITY	11.6 lbs / gal (5.0 kg / 3.8 L)

F. PHYSICAL PROPERTIES

	ASTM TEST	REQUIREMENT	RESULT
TENSILE STRENGTH – INITIAL	D2370	>= 200 psi (1.4 MPa)	257 psi (1.7 MPa)
ELONGATION AT BREAK – INITIAL	D2370	>= 100 %	325 %
TENSILE STRENGTH – 1000 HOURS	D2370	>= 200 psi (1.4 MPa)	420 psi (2.8 MPa)
ELONGATION AT BREAK – 1000 HOURS	D2370	>= 100 %	225 %
TEAR RESISTANCE (DIE C)	D624	60 min.	68.5 lb / in (31 kg / 25 mm)
LOW TEMPERATURE FLEX	D522	½" Mandrel, -15 °F (-26 °C)	Pass
LOW TEMPERATURE FLEX – 1,000 HOURS	D522	½" Mandrel, -15 °F (-26 °C)	Pass
WATER VAPOR PERMEABILITY – 20 MILS DFT (INCH POUNDS)	E96	50 Perms. max	7.0 Perms
WET ADHESION			
FOAM	C794 / D903	2.0 lb (0.9 kg) min.	Pass
GALVANIZED STEEL		2.0 lb (0.9 kg) min.	Pass
SBS CAP SHEET		2.0 lb (0.9 kg) min.	Pass

APP			2.0 lb (0.9 kg) min.	Pass
WATER SWELLING		D461	20% max	4.3%
SOLAR PERFORMANCE			INITIAL	WEATHERED
WHITE	SOLAR REFLECTANCE	C1549	0.85	0.79
	THERMAL EMITTANCE	C1371	0.89	0.89
	SOLAR REFLECTIVITY INDEX (SRI)	E1980	107	99
GRAY	SOLAR REFLECTANCE	C1549		
	THERMAL EMITTANCE	C1371		
	SOLAR REFLECTIVITY INDEX (SRI)	E1980		
ENERGY TAN	SOLAR REFLECTANCE	C1549	0.45	0.41
	THERMAL EMITTANCE	C1371	0.88	0.89
	SOLAR REFLECTIVITY INDEX (SRI)	E1980	51	46

G. APPLICATION

STEP	INSTRUCTIONS
THINNING	Thinning is not recommended under normal conditions.
MIXING	Mix until homogeneous with a mechanical mixer before application to ensure uniform color and consistency.
SURFACE PREPARATION	<p>Repair all leaks, cracks, and other deficiencies and seal flashings in the existing substrate using like materials as recommended by the original membrane manufacturer before applying GacoFlex 127 Series Roof Coating.</p> <p>Newly repaired areas may require a suitable GacoFlex primer. Contact Technical Services for primer recommendations. When necessary, use GacoWash at 1-part concentrate to 9-parts water to clean roof before application. Rinse well and allow substrate to dry thoroughly.</p>
APPLICATION	<p>Do not apply GacoFlex 127 Series Roof Coating to wet surfaces. Make sure roof surface is completely dry, clean, and free of dirt, grease, biological soiling, loose granules, and paint residue before coating.</p> <p>Do not apply GacoFlex 127 below 40°F (4.45°C) or in weather conditions where the temperature will fall below 40°F (4.45°C) during the cure cycle. The substrate temperature range for application is 40°F (4.45°C) – 120°F (48.9°C). The service temperature range is -35°F (-37.2°C) – 180°F (82.2°C).</p>

	<p>Application rates vary based on substrate type, refer to Application Specifications available at Gaco.com for further details. Additional coats may be required to achieve required minimum Dry Film Thickness (DFT). GacoFlex 127 Series Roof Coatings may be applied with a 3/8 in (10 mm) nap roller, brush, or airless sprayer.</p> <p>FOR USE OF AIRLESS SPRAYERS: Airless spray equipment should be capable of 1 gallon per minute capacity at 3000 psi. GacoFlex 127 is designated a "medium elastomeric coating" with medium viscosity for pump purposes. 1/2" high pressure hoses perform well. The airless spray gun should be equipped with a ball-bearing swivel for ease of handling. Recommended orifice size is .025" to .035" diameter, wide-angle fan pattern. A reverse-a-clean nozzle is recommended. Exact orifice size will vary with temperature of the material and weather conditions.</p> <p>NOTE: <u>DO NOT EXCEED 1.5 GAL / 100 FT² (5.6 L / 9.3 M²) PER COAT</u></p>
DRY TIME	<p>Approximate dry time is 4-6 hours at 75 °F (24 °C) and 50% RH per coat of GacoFlex 127 Series Roof Coating. Low temperatures or high humidity conditions will extend cure times. Do not apply GacoFlex 127 Series Roof Coating when precipitation or heavy dew is expected within 4 hours (6–8 hours in high humidity conditions).</p>
CLEAN UP	<p>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.</p>

** For specific Health and Safety information, please refer to Safety Data Sheet (SDS)*