



Product Data Sheet (PDS):

GacoFlex™ 121 High-Tek Basecoat Acrylic Roof Coating

Revised: 07/2025

GACOFLEX 121 High-Tek Basecoat ACRYLIC ROOF COATING

A. DESCRIPTION:

GacoFlex 121 High-Tek Basecoat is a single component, water based synthetic polymer elastomeric coating. It provides protection to asphalt substrates and may be applied over properly cured asphalt emulsion as a base coat. It exhibits superior adhesion to asphalt substrates, has a high hide capability, is highly reflective and has high elongation. Used in conjunction with GacoFlex 127 and GacoFlex 129 (see product data sheet) it allows for better performing asphalt restoration systems.

B. RECOMMENDED USE:

This coating may be used on flat, composition roofs; coated and uncoated foam roofs; aged or new asphalt composition, and modified bitumen. For a maximum durability coating system, two coats of High-Tek Basecoat are recommended in problem areas or over new or freshly installed APP. 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 coating 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 121 High-Tek Basecoat 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. PACKAGED PRODUCT DATA:

PROPERTY	DESCRIPTION
COLOR***	INDICATOR GRAY
ADHESION	Excellent adhesion to polyurethane foam, such as GacoFlex GacoRoofFoam™, aged asphalt roofs and existing coatings. Do not apply GacoFlex 121 High-Tek Basecoat over existing silicone coatings.
THEORETICAL COVERAGE	100 ft ² / gal / mil (9.3 m ² / 3.78 L / 7.7 mil DFT)
SOLIDS	Weight: 60 % ASTM D1644 Volume: 48.0 % ASTM D2697
STORAGE STABILITY	12 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	15000-20000 cps	
DENSITY	11.4 lbs / gal (5.4 kg / 3.8 L)	

E. PHYSICAL PROPERTIES

	ASTM TEST	RESULT
ELONGATION AT 75°F (23.9°C)	D2370	>100%
PVC		37%
PH		9-10

F. 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	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 121 High-Tek Basecoat. 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.
APPLICATION	Do not apply GacoFlex 121 High-Tek Basecoat 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. Do not apply GacoFlex 121 High-Tek Basecoat 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). 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 121 High-Tek Basecoat may be applied with a 3/8 in (10 mm) nap roller, brush, or airless sprayer. FOR USE OF AIRLESS SPRAYERS: Airless spray equipment should be capable of 1 gallon per minute capacity at 3000 psi. GacoFlex 121 High-Tek Basecoat 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. NOTE: <u>DO NOT EXCEED 1.5 GAL / 100 FT² (5.6 L / 9.3 M²) PER COAT</u>
DRY TIME	Approximate dry time is 4-6 hours at 75 °F (24 °C) and 50% RH per coat of GacoFlex 121 High-Tek Basecoat. Low temperatures or high humidity conditions will extend cure times. Do not apply GacoFlex 121 High-Tek Basecoat when precipitation or heavy dew is expected within 4 hours (6–8 hours in high humidity conditions).
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 Health and Safety information, please refer to Safety Data Sheet (SDS)