

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex GacoProEco Series
May 2015

GacoProEco Series SOLVENT-FREE 100% SILICONE COATING

DESCRIPTION:	GacoProEco Series Coatings are solvent-free, single-component waterproof elastomeric moisture-curing silicone coatings.
USAGE:	GacoProEco Solvent-Free 100% Silicone Coating is the best solution for weathered roofs including pre-existing elastomeric roof coatings, metal, built-up, cap sheet, and aged EPDM and TPO where the membrane surface is in sound condition but requires a renewal of the membrane surface due to the effects of aging and use. It may also be used over sprayed-in-place polyurethane foam, concrete, wood and many other coatings. When properly applied, the coating system provides a seamless weather-tight seal that withstands the damaging effects of permanently ponding water, and the degradation caused by ultraviolet light, water and other normal weathering hazards.
COLOR:	GPE00 White, GPE22 Gray

APPLIED PRODUCT DATA

WEATHERABILITY:	Excellent durability, color stability and chalk resistance.		
TOXICITY:	Not for use in contact with edible substances or potable water.		
ADHESION:	Excellent adhesion to polyurethane foam and many other substrates.		
CHEMICAL RESISTANCE:	Excellent solvent and chemical resistance.		
TENSILE:	ASTM D412	<u>S-2000 Immersed in Water @150°F (66°C) for 1 year per ASTM D471:</u>	
	Strength: 550 ± 10 psi (3.79 ± .07 MPa)	Strength:	463 psi (3.19MPa)
	Elongation: 150% ± 10	Elongation:	125%
	Permanent Set At Break: Approx. 1%	Permanent Set At Break:	0%
TEAR RESISTANCE:	ASTM D624 Die C		
	lbs/inch	21 pli (3.8 kg(f)/cm)	11 pli (2.0 kg(f)/cm)
HARDNESS:	ASTM D2240	55 Shore A	56 Shore A
WATER VAPOR PERMEANCE:	ASTM E96	5.3 perms	
	Procedure B at 0.5 mm (20 mils) thickness ± 10%; Minimum permeance requirement is 2.5 U.S. perms		
WET ADHESION TO POLYURETHANE FOAM:	ASTM D903	3.5 lbs per linear inch	
LOW TEMPERATURE FLEX:	ASTM D522 Method B	Pass	
FLAMMABILITY:	ASTM E108	Class A	

REFLECTANCE:	ASTM C1549	0.88 (S2000 White)
EMITTANCE:	ASTM C1371	0.87 (S2000 White)

PACKAGED PRODUCT DATA

THEORETICAL COVERAGE: 1.45 gallons per 100 sq. ft. provides 22 dry mils (560 μ / 0.56 mm).

NOTE: Actual coverage may be less due to surface profile, losses due to overspray and wind, and residual coating left in the container.

SOLIDS:	Weight: Method 4041	96.5%
	Fed. Std. 141	
	Volume:	95%

VOC: 35 g/l

FLASH POINT: ASTM D3278 178°F (81°C)

STORAGE STABILITY: Two years from date of manufacture when stored in sealed containers between -17°C - 26°C.

APPLICATION

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

THINNING: Product should not be thinned.

PRIMER: Existing silicone coatings should not be primed. On all other substrates, apply GacoFlex E5320 2-Part Epoxy Primer/Filler according to label directions.

APPLICATION: Apply by brush or $\frac{3}{4}$ " nap woven roller as received. For spray application, use as received; consult Gaco Western's Silicone Spray Guide SG-Silicone for more information. For cold weather application, keep material stored above 18°C. Do not apply if rain is expected within 1 hour.

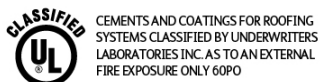
- On smooth surfaces, apply one coat at the rate of 1.5 gallons per 100 square feet to achieve approximately 22 dry mils (560 μ / 0.56 mm).
- On granulated and other rough surfaces, apply two separate coats at the rate of 1 gallon per 100 square feet per coat. Allow first coat to dry a minimum of 4 hours at 13°C or higher, or until it can be safely walked on (product is moisture cure, low humidity will result in longer dry times); recoat within 4 to 48 hours.
- Coat all surfaces including expansion joint covers and flashings. Extra material is required at all edges and penetrations if neoprene sheet flashing is not used.

NOTE: Application rate is job-specific and losses due to overspray, surface provide and wind may occur. Additional material may be required to achieve 22 dry mils (560 μ / 0.56 mm).

DRY TIME: Final coat should be allowed to cure 24 to 48 hours, depending on temperature and humidity, before suitable for light foot traffic.

CLEAN UP: Clean application tools and equipment with GacoFlex Silicone Solvent. Recirculate through lines and gun until residual coating is removed. **DO NOT USE WATER OR RECLAIMED SOLVENTS.**

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



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