

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)</u>
Strength:	550 ± 10 psi (3.79 ± .07 MPa)	<u>for 1 year per ASTM D471:</u>
Elongation:	150% ± 10	Strength: 463 psi
Permanent Set At Break:	Approx. 1%	(3.19MPa)
		Elongation: 125%
		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)

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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 Fed. Std. 141	96.5%
	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. <ul style="list-style-type: none">- On smooth surfaces, apply one coat at the rate of 1.5 gallons per 100 square feet to achieve approximately 22 dry mils (560μ / 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.

