GacoFlex™

S20 Series

The solvent-free alternative to replacing your weathered roof.

Whether your roof is large or small, flat or sloped, GacoFlex S20 Series Solvent-Free 100% Silicone Roof Coatings provide a proven, guaranteed solution for renewing your weathered and leaking roof. They can be applied to virtually any existing roof to create a durable, glossy, seamless membrane that seals and protects against permanent ponding water, ultraviolet light and severe weather. By re-coating, you not only extend the life of your roof, you avoid the need for a time-consuming and costly roof tear-off.

Guaranteed? Yes! All GacoFlex Silicone Roof Coatings carry a 50 Year Limited Material Warranty. In addition, a Labor & Material Warranty is available to Gaco Licensed Applicators when GacoFlex S20 Series coating is applied over E5320 2-Part Epoxy Primer/Filler and according to Gaco specifications.

GacoFlex S20 Series offers decades of proven performance and protection. **Guaranteed.**

WHY CHOOSE SOLVENT-FREE?

GacoFlex solvent-free silicone coatings are made nearly entirely of solids – 95% of what is in the can stays on the roof! The remaining 5% is a specially-formulated curing agent that works by forming a chemical bond between the coating's molecules and sets the coating in place – instead of by the evaporation of harmful solvents into the environment.

800 456 4226
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GacoFlex S20 Series

Solvent-Free 100% Silicone Coating | March 2017

DESCRIPTION	GacoFlex S20 Series coatings are solvent-free, single-component waterproof elastomeric moisture-curing silicone coatings.
USAGE	GacoFlex S20 Series are ideal for use as a maintenance coating system over pre-existing elastomeric roof coatings, metal roofs, built-up roofing, mineral cap sheet, and weathered single ply membranes (EPDM, PVC, Hypalon®, and TPO/CPA) on a roofing substrate where the membrane surface is in sound condition, but requires a renewal of the membrane surface due to the normal effect of aging and use. A roof coated with GacoFlex S20 Series is ideal for use as part of a rainwater catchment system. GacoFlex S20 Series Coatings are the standard specification for liquid applied silicone coating used in sprayed-in-place polyurethane foam roofing systems. GacoFlex S20 Series Coatings may also be used over concrete, coatings, and over plywood decking when properly applied over an approved base coat; please contact Gaco for specific recommendation. When properly applied, the coating system provides a seamless weather-tight seal that protects the substrate from degradation caused by ultraviolet light, water and other normal weathering hazards.
COLORS	S2000 White, S2022 Gray, S2048 Tan; S2029 Dark Gray (available as special order only)

APPLIED PRODUCT DATA

WEATHERABILITY	Excellent durability, color stability and chalk resistance.
TOXICITY	Not for use in contact with edible substances or long-term potable water storage.
CHEMICAL RESISTANCE	Excellent solvent and chemical resistance.

PHYSICAL PROPERTIES	ASTM Test	Result	ASTM D6694 Requirement
Tensile Strength @ 73°F	D412	450 psi	150 min
Elongation at Break @ 73°F	D412	174%	100 min
Tensile Strength @ 0°F	D412	574 psi	150 min
Elongation at Break @ 0°F	D412	169%	100 min
Tear Resistance (Die C)	D624	35.8 lbs/inch	20 min
Crack Bridging - Low Temperature @ -15°F	D522	Pass	Pass
Permeance – 20 mils DFT @ 73°F / 50% RH	E96 – B	5.0 Perms	2.5 min
Wet Adhesion			
Spray Polyurethane Foam	C794 / D903	Pass	2.0 min
Acrylic Coating	C794 / D903	Pass	2.0 min
Galvanized Metal with E5320 Primer	C794 / D903	Pass	2.0 min
BUR with E5320 Primer	C794 / D903	Pass	2.0 min
EPDM with E5320 Primer	C794 / D903	Pass	2.0 min
PVC with E5320 Primer	C794 / D903	Pass	2.0 min

GacoFlex S2000 (white) meets the cool roof requirements of California Title 24 and the International Energy Conservation Code.

8,670 Hour Immersion in 150°F Water	D471		Not Required
Tensile Strength	D412	450 psi	Not Required
Elongation at Break	D412	125%	Not Required
1000 Hrs. Accelerated Weathering	G154		
Elongation at Break @ 73°F	D412	371%	100 min
Elongation at Break @ 0°F	D412	124%	100 min
5000 Hrs. Accelerated Weathering	G154		
Elongation at Break @ 73°F	D412	126%	Min 50%
Elongation at Break @ 0°F	D412	124%	Min 50%
Appearance	D6694	Pass	No Cracking or Checking

SOLAR PERFORMANCE	ASTM Test	Initial
Solar Reflectance	C1549	0.88
Thermal Emittance	C1371	0.87
Solar Reflectivity Index (SRI)	E1980	111

PACKAGED PRODUCT DATA

THEORETICAL COVERAGE	1.5 gallons per 100 sq. ft. to yield approximately 22 dry mils. NOTE: Application rate is job specific and losses due to overspray, surface profile, and wind may occur. Additional material may be required to achieve 22 dry mils.	
SOLIDS	Weight: 96.5% (Method 4041 - Fed. Std. 141) / Volume: 95%	
VOC	37 g/l (0.309 lb/gal)	
FLASH POINT	ASTM D3278	178°F (81°C)
STORAGE STABILITY	Two years from date of manufacture when stored in sealed containers between 0°F - 80°F (-17°C - 26°C).	

APPLICATION

MIXING	Mix before application to ensure uniform color and consistency.
THINNING	Product should not be thinned.
ASPHALT ROOFING SEALER	As an option to help inhibit bleed-through on asphaltic and bitumen-containing substrates, first apply 1 coat of GacoFlex A4207 BleedTrap Sealer for Asphalt Roofing at a rate of 100 sq. ft. per gallon to yield 8 dry mils.
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 3/4" nap woven roller as received. For spray application, use as received; consult Gaco's Silicone Spray Guide SG-Silicone for more information. For cold weather application, keep material stored above 65°F (18°C). Do not apply if rain is expected within 1 hour. For application in temperatures below freezing or above 120°F (49°C), contact Gaco. On smooth surfaces, apply one coat at the rate of 1.5 gallons per 100 square feet to achieve approximately 22 dry mils. 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 55°F (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 profile and wind may occur. Additional material may be required to achieve 22 dry mils.
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.

CEMENTS AND COATINGS FOR ROOFING SYSTEMS CLASSIFIED BY UNDERWRITERS LABORATORIES INC. AS TO AN EXTERNAL FIRE EXPOSURE ONLY 60PO

NOA#12-0426.06 Florida Product Control FL14724-RI

Texas Department of Insurance - Product Evaluation RC-353

NSF P151 Certified

*Applies only to S2000 (white)

Gaco is a Firestone Building Products brand.

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