



**Proven
Performance.
Guaranteed.**

Gaco Western stands behind our products with the best warranties in the business. We have already issued warranties for over 100 million square feet of roofs. The GacoFlex S2100 Cleanable Silicone Coating 5-Year Energy Star Warranty guarantees S2100 will maintain an aged Energy Star rating for a minimum of 5 years - even over asphalt roofs.



GacoFlex S2100 meets the industry's highest level of performance-based FM testing of wind uplift resistance, fire resistance, foot traffic, water tightness and severe hail resistance. The Severe Hail resistance classification is the highest level of performance recognized by FM4470 – Class 1. The FM approved S2100 roof assembly provides a higher level of confidence to building owners and design professionals alike.

GacoFlex[®]
by Gaco Western[®]

S2100 White *Cleanable Solvent-Free Silicone Coating*



A HI-PERFORMANCE 100% silicone coating that offers exceptional clean-ability and whiteness retention.

GacoFlex silicone coatings offer long-term durability due to their resistance to permanent ponding water, harsh UV rays and temperature extremes. However, it can be a natural characteristic of conventional silicone coatings to darken and accumulate dirt that can lead to a higher rooftop temperature and lower the solar reflectance and the visible whiteness of the roof.

To combat this issue, Gaco Western developed GacoFlex S2100 – the first high solids 100% silicone coating to resist dirt pick-up even after years of exposure, thereby maintaining significantly higher whiteness and solar reflectivity than other silicones. S2100 offers the same benefits as other GacoFlex silicones, now with the added advantage of reduced dirt accumulation and improved clean-ability. In testing, S2100 showed 40% less dirt accumulation, 2x the whiteness retention, and maintained a higher solar reflectance and thermal emittance than competitive silicone roofs.

S2100 contains 37% recycled content and does not contain crystalline silica. Municipalities and companies encourage the use of products that reduce the amount of impact on our environment and S2100 has the highest recycled content in the industry. In addition, the use of S2100 on a job may contribute to LEED points.

Hi-performance GacoFlex S2100 is the next generation of high solids 100% silicone coatings available from Gaco Western – the recognized leader in innovative silicone roofing systems.



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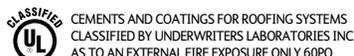
GacoFlex S2100

Cleanable Solvent-Free Silicone Coating | April 2017

DESCRIPTION	GacoFlex® S2100 White Cleanable Solvent-Free Silicone Coating is the first high-solids 100% silicone coating to resist dirt pick-up even after years of exposure, thereby maintaining significantly higher whiteness and solar reflectivity than other silicones. It exhibits self-cleaning properties resulting from local rainfall, and if necessary, can be easily cleaned with GacoWash Concentrated Cleaner. Improved rheology provides better film build on high spots and over granulated or uneven surfaces. GacoFlex S2100 develops water sheeting action that allows roofs to dry more quickly, thus reducing dust and dirt interactions with the coating. Like all GacoFlex Silicone Coatings, it withstands permanent ponding water. GacoFlex S2100 contains 37% recycled content and does not contain crystalline silica.						
USAGE	Use GacoFlex S2100 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. It is also ideal for use over sprayed-in-place polyurethane foam, concrete and many other coatings. 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.						
COLOR	S2100 White						
APPLIED PRODUCT DATA							
WEATHERABILITY	Excellent durability, color stability and chalk resistance.						
TOXICITY	Not for use in contact with edible substances or potable water.						
CHEMICAL RESISTANCE	Excellent solvent and chemical resistance.						
PHYSICAL PROPERTIES	ASTM Test	Result	ASTM D6694 Requirement	SOLAR PERFORMANCE	ASTM Test	Result	
Tensile Strength @ 73°F	D412	292 psi	150 psi min.	Initial Solar Reflectance	C1549	0.82	
Elongation at Break @ 73°F	D412	125%	100% min.	Initial Thermal Emittance	C1371	0.90	
Tensile Strength @ 0°F	D412	365 psi	150 psi min.	Initial Solar Reflectivity Index (SRI)	E1980	103	
Elongation at Break @ 0°F	D412	175%	100% min.	Accelerated Solar Reflectance	D7897-15, C1549	0.81	
Tear Resistance (Die C)	D624	21 pli	20 pli min.	Accelerated Thermal Emittance	D7897-15, C1371	0.90	
Low Temp Flex @ -15°F	D522	Pass	Pass	Accelerated Solar Reflectivity Index (SRI)	D7897-15, E1980	101	
Permeance 20 mils @ 75°F and 50% RH	E96 – B Inverted Cup	5.5 Perms	2.5 Perms min.				
Wet Adhesion				WIND-DRIVEN RESISTANCE	Test	Result	Requirement
Spray Polyurethane Foam	D903	Pass	2.0 psi min.	Resistance to Wind-Driven Rain	TT-C-555B	Pass	Pass
Galvanized Metal with E5320 Primer	D903	Pass	2.0 psi min.	Weight Gain of Block	TT-C-555B	0.01 lbs.	< 0.2 lbs.
EPDM with E5320 Primer	D903	Pass	2.0 psi min.				
PVC with E5320 Primer	D903	Pass	2.0 psi min.				
TPO with E5320 Primer	D903	Pass	2.0 psi min.				
KEE with E5320 Primer	D903	Pass	2.0 psi min.				
Hypalon with E5320 Primer	D903	Pass	2.0 psi min.				
Granulated SBS with E5320 Primer	D903	Pass	2.0 psi min.				
Granulated APP with E5320 Primer	D903	Pass	2.0 psi min.				
PACKAGED PRODUCT DATA							
THEORETICAL COVERAGE	One coat at a rate of 1.5 gallons per 100 sq. ft. to achieve 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% / Volume: 95%						
VOC	< 50 g/l						
FLASH POINT	ASTM D56	130°F (54°C)					
STORAGE STABILITY	Two years from date of manufacture when stored in sealed containers between 0°F - 80°F (-17°C - 26°C).						
APPLICATION							
ASPHALT ROOFING SEALER	When applying S2100 over asphaltic and bitumen-containing substrates, the use of GacoFlex A4207 BleedTrap Sealer for Asphalt Roofing followed by a thin primer coat of GacoFlex E5320 2-Part Epoxy Primer/Filler is required to ensure adhesion and to be eligible for the GacoFlex S2100 5-Year Energy Star Warranty.						
PRIMING	Apply GacoFlex E5320 2-Part Epoxy Primer/Filler according to label directions. If BleedTrap has been applied, it must be coated with E5320 to ensure adhesion of S2100 top coat. Existing silicone coatings should not be primed.						
MIXING	Mix before application to ensure uniform color and consistency.						
THINNING	Product should not be thinned.						
APPLICATION	Apply by brush or 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 65°F (18°C). Do not apply if rain is expected within 1 hour. The substrate temperature must be at least 5°F above dew point. For application in temperatures below freezing or above 120°F (49°C), contact Gaco Western. Apply one coat at the rate of 1.5 gallons per 100 square feet to achieve approximately 22 dry mils. 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	Coating should be allowed to cure 24 to 48 hours, depending on temperature and humidity, before suitable for light foot traffic (product is moisture cure; low humidity will result in longer dry times).						
CLEAN UP	Application tools and equipment can be cleaned with GacoFlex Silicone Solvent. Recirculate through lines and gun until residual coating is removed. DO NOT USE WATER OR RECLAIMED SOLVENTS.						
MAINTENANCE	To maintain whiteness and reflectivity, roofs coated with S2100 can be power washed with pure water. GacoWash can be utilized if necessary on oily areas.						
For specific Safety and Health information please refer to Safety Data Sheet.							

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Gaco Western was founded in 1955 with its roots in technology and product innovation. The Gaco family of brands offer best-of-class solutions for a variety of commercial, industrial, and residential applications including specialty coatings for roof, pedestrian and traffic decking, and spray polyurethane foam insulation.