

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex S2100
April 2017
Supersedes 3/17

GACOFLEX® S2100 **CLEANABLE SOLVENT-FREE SILICONE COATING**

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.

COLORS: 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.

APPROVALS: Underwriters Laboratory – UL790-Class A

Factory Mutual Approvals – FM4470 – Class 1
Severe Hail when applied over GacoRoofFoam F2733

Approved Maintenance Coatings over all FM Approved Roofs
(Single Ply, BUR, Mod Bit, Standing & Lap Seam Metal, etc.)

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



PHYSICAL PROPERTIES:

	ASTM Test	Result	ASTM D6694 Requirement
Tensile Strength @ 73°F	D412	292 psi	150 psi min.
Elongation at Break @ 73°F	D412	125%	100% min.
Tensile Strength @ 0°F	D412	365 psi	150 psi min.
Elongation at Break @ 0°F	D412	175%	100% min.
Tear Resistance (Die C)	D624	21 pli	20 pli min.
Low Temp Flex @ -15°F	D522	Pass	Pass
Permeance 20 mils @ 75°F and 50% RH	E96 – B Inverted Cup	5.5 Perms	2.5 Perms min.
	ASTM Test	Result	ASTM D6694 Requirement
Wet Adhesion			
Spray Polyurethane Foam	D903	Pass	2.0 psi min.
Galvanized Metal with E5320 Primer		Pass	2.0 psi min.
EPDM with E5320 Primer		Pass	2.0 psi min.
PVC with E5320 Primer		Pass	2.0 psi min.
TPO with E5320 Primer		Pass	2.0 psi min.
KEE with E5320 Primer		Pass	2.0 psi min.
Hypalon with E5320 Primer		Pass	2.0 psi min.
Granulated SBS with E5320 Primer		Pass	2.0 psi min.
Granulated APP with E5320 Primer		Pass	2.0 psi min.

WIND-DRIVEN RESISTANCE:

	Test	Result	Requirement
Resistance to Wind-Driven Rain	TT-C-555B	Pass	Pass
Weight Gain of Block	TT-C-555B	0.01 lbs.	< 0.2 lbs.

SOLAR PERFORMANCE:

	ASTM Test	Result
Initial Solar Reflectance	C1549	0.82
Initial Thermal Emittance	C1371	0.90
Initial Solar Reflectivity Index (SRI)	E1980	103
Accelerated Solar Reflectance	D7897-15, C1549	0.81
Accelerated Thermal Emittance	D7897-15, C1371	0.90
Accelerated Solar Reflectivity Index (SRI)	D7897-15, E1980	101

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 unopened 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 Health and Safety information, please refer to the Material Safety Data Sheet.

