

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex S20 Series

March 2017

Supersedes 6/15

GACOFLEX® S20 SERIES SOLVENT-FREE 100% SILICONE COATING

- 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 Western 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.
- APPROVALS:** Underwriters Laboratory – UL790 - Class A
Factory Mutual Approvals – FM4470 - Class 1, ASTM E108 - Class A
Approved with GacoRoofFoam F2733 and F273
Approved maintenance coating over all FM Approved Roofs
(Single Ply, BUR, Cap Sheet, Metal, etc.)
Energy Star
Cool Roof Rating Council – CRRC 0740-0012
Miami-Dade Product Control – NOA 12-0426
Florida Product Control – FL14724-RI
Texas Department of Insurance – RC-353
NSF P151 – Certification of rainwater catchment system components



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



Texas Department of Insurance - Product Evaluation RC-353

* Applied only to S2000 (white)

Made in the USA

• gaco.com •

800.331.0196



PHYSICAL PROPERTIES:

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	C 794/D 903	Pass	2.0 min
Acrylic Coating		Pass	2.0 min
Galvanized Metal with E5320 Primer		Pass	2.0 min
BUR with E5320 Primer		Pass	2.0 min
EPDM with E5320 Primer		Pass	2.0 min
PVC with E5320 Primer		Pass	2.0 min
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	D 412	126 %	Min 50%
Elongation at Break @ 0°F	D 412	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

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

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: Method 4041 96.5%
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 ¾" 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 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 Western.

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.

