

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex S20 Series

May 2014

Supersedes 1/14

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, 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.

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.

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

Made in the USA

gaco.com

800.331.0196



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



NDA#12-0426.06
Florida Product Control FL14724-RI



Texas Department of Insurance - Product Evaluation RC-353

*Applies only to S2000 (white)



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)

PACKAGED PRODUCT DATA

THEORETICAL COVERAGE:	1.45 gallons per 100 sq. ft. provides 22 dry mils	
	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 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.
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:	<p>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.</p> <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.- 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. <p>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.</p>
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 Material Safety Data Sheet.

