

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoRoofUltra GR28 Series
April 2015

GACOROOFULTRA GR28 SERIES SOLVENT-FREE 100% SILICONE ROOF COATING

DESCRIPTION: GacoRoofUltra Solvent-Free 100% Silicone Roof Coating creates a monolithic, weather-tight seal protecting pre-existing roofs against damaging leaks, permanent ponding water and degradation caused by severe UV rays and temperature extremes. The high solids GacoRoofUltra coating provides increased coverage over traditional silicone coatings and is a proven solution to renewing a weathered roof.

GacoRoofUltra outperforms other coatings, including acrylic, urethane, asphalt and Hypalon[®]. Its unique chemistry will not soften under permanent ponding water or degrade under severe weather conditions. The smooth, high sheen finish offers excellent resistance to mold, mildew and staining and is easy to clean.

USAGE: Ideal for use on flat and sloped roofs including, but not limited to, large and small buildings, homes, garages and patio covers, sheds and barns, mobile homes, RVs and more.

COLORS: GR2800 White, GR2822 Gray, GR2848 Tan

LIMITATIONS: Not for use on 3-tab asphalt or architectural shingles.

APPLIED PRODUCT DATA

WEATHERABILITY: Excellent durability, color stability and chalk resistance.

TOXICITY: Not for use in contact with edible substances or potable water.

ADHESION: Bonds to aged asphalt, aged EPDM, aged TPO/CPA, built-up, cap sheet, composite, concrete, fiberglass, metal, modified bitumen, torchdown, sprayed polyurethane foam and most existing coatings on flat or sloped roofs.

CHEMICAL RESISTANCE: Excellent solvent and chemical resistance.

FLAMMABILITY: ASTM E108 Class A

REFLECTANCE: ASTM C1549 0.88 (GR2800 White)

EMITTANCE: ASTM C1371 0.87 (GR2800 White)

The following physical property tests were conducted by independent certified laboratories in accordance with ASTM D6694.

	TEST TEMP.	ASTM	REQUIREMENT	RESULT
LIQUID PROPERTIES				
Brookfield Viscosity		D2196	3,500 – 50,000 cPs	5000 cPs
Volume Solids	74°F (23°C)	D2697	Min. 57%	>91%
Weight Solids		D1644	Not Required	>95%

	TEST TEMP.	ASTM	REQUIREMENT	RESULT
FILM PHYSICAL PROPERTIES				
Initial Tensile Strength	73°F (22°C)	D412	Min. 150 psi	Pass
Initial Elongation at Break	73°F (22°C)	D412	Min. 100%	Pass
Initial Tensile Strength	0°F (-18°C)	D412	Min. 150 psi	Pass
Initial Elongation at Break	0°F (-18°C)	D412	Min. 100%	Pass
Permeance /50% RH	73°F (22°C)	E96 Procedure B	Min. 2.5 U.S. perms	Pass
Wet Adhesion to SPF, acrylic coating, galvanized metal, single-ply membrane		C794/D903	Min. 2.0 pli	Pass
Tear Resistance		D624 Die C	Min. 20 lbf/in	Pass
Low Temperature Mandrel Bend	-15°F (-26°C)	D522	Pass	Pass
AFTER 1000 HOURS ACCELERATED TESTING		G154		
Final Elongation at Break	73°F (22°C)	D412	Min. 100%	Pass
Final Elongation at Break	0°F (-18°C)	D412	Min. 100%	Pass
AFTER 5000 HOURS ACCELERATED TESTING		G154		
Elongation at break	73°F (22°C)	D412	Min. 50%	Pass
Elongation at break	0°F (-18°C)	D412	Min. 50%	Pass
5000 Hours Accelerated Weathering		D6694	No Cracking or Checking	Pass

PACKAGED PRODUCT DATA

THEORETICAL COVERAGE: 1.5 gallons per 100 sq. ft. to achieve approximately 22 dry mils. **Note:** Application rate is job specific and losses due to surface profile and wind may occur. Additional material may be required to achieve 22 dry mils.

VOC: < 50 g/l

FLASH POINT: ASTM D3278 178°F (81°C)

STORAGE STABILITY: Two years from date of manufacture when stored in unopened containers between 40- 85°F (4-29°C).

APPLICATION

PRIMING: Existing silicone coatings should not be primed. On all other substrates, apply GacoFlex E5320 2-Part Epoxy Primer/Filler according to label directions.

TAPING: Cover all joints, fasteners, flashings, seams and transition areas with GacoFlex LiquidRoofTape; for areas that require extra strength and flexibility, apply GacoFlex RoofTape or GacoFlex 66S Reinforcing Polyester Mesh according to label directions.

MIXING: Mix before application to ensure uniform color and consistency. It is not recommended to mix GacoRoofUltra with other GacoFlex Silicone Coatings.

THINNING: Product should not be thinned.

APPLICATION: Apply by brush or ¾" nap woven roller as received. 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. Final coat should be allowed to cure 24 to 48 hours, depending on temperature and humidity, before suitable for light foot traffic.

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.

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: Application tools and equipment can be cleaned with GacoFlex Silicone Solvent. **DO NOT USE WATER OR RECLAIMED SOLVENTS.**

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