

# Gaco Western

S I N C E 1 9 5 5

## Product Data Sheet:

GacoRoof Compliant GR1600C & GR1628C

June 2015

Supersedes 01/09

### GACOROOF COMPLIANT GR1600C & GR1628C LOW ODOR/ CALIFORNIA COMPLIANT SILICONE

- DESCRIPTION:** GacoRoof is a single component elastomeric air dry silicone rubber coating that can be applied year round on properly prepared substrates. GacoRoof Compliant is designed for regions requiring less than 50 g/l per liter VOC for roof coatings. Due to its low odor attributes, GacoRoof Compliant can be in areas where low coating fumes are desirable.
- USAGE:** GacoRoof is designed as a protective coating to seal and repair existing roofs and permanently protect against leaks, permanent ponding water, and the damaging effects of severe weather.
- COLORS:** GR1600C White, GR1628C Gray
- LIMITATIONS:** Not for use on 3-tab asphalt or architectural shingles. May require multiple coats to create a seamless membrane. May require GacoFlex E5320 2-Part Epoxy Primer/Filler. Verify adhesion with a GacoRoof Adhesion Test Kit.

#### 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 chemical resistance.
- TENSILE:**
- |                         |                    |
|-------------------------|--------------------|
| ASTM D412               |                    |
| Strength:               | 300 psi (3.31 MPa) |
| Elongation:             | 150%               |
| Permanent Set At Break: | ≈1%                |
- TEAR RESISTANCE:**
- |                  |            |
|------------------|------------|
| ASTM D1624 Die C |            |
| lbs/inch         | 32 lb./in. |
- HARDNESS:**
- |           |            |
|-----------|------------|
| ASTM D676 | 50 Shore A |
|-----------|------------|
- WATER VAPOR PERMEANCE:**
- |                                |                   |
|--------------------------------|-------------------|
| ASTM E96                       | 0.06 perms-inches |
| Method B, 100% R.H. difference |                   |
- FLAMMABILITY:**
- |                    |         |
|--------------------|---------|
| ASTM E108 (UL-790) | Class A |
|--------------------|---------|
- REFLECTANCE:**
- |           |                     |
|-----------|---------------------|
| ASTM E903 | 85% (GR1600C White) |
|-----------|---------------------|
- EMITTANCE:**
- |           |                     |
|-----------|---------------------|
| ASTM E903 | 88% (GR1600C White) |
|-----------|---------------------|



**PACKAGED PRODUCT DATA**

THEORETICAL COVERAGE:	100 Sq. Ft./Gallon (9.3 Sq. Meters/3.8 L) to yield 11 dry mils on a smooth surface.	
	Coverage rate may decrease on textured surfaces, and more coating will likely be used on first coat than on additional coats. Smooth roofs can be completed in 2 coats, lightly textured surfaces often require 3 coats, and heavily textured surfaces may require 4 coats to achieve a final 22 mil film build.	
SOLIDS:	Weight: Method 4041 Fed. Std. 141	77% ± 1%
	Volume:	69% ± 1%
V.O.C:	< 40 g/L	
FLASH POINT:	ASTM D56	115°F (46°C)
STORAGE STABILITY:	Three years from date of manufacture when stored in unopened containers between 40°-85°F (4°-29°C).	

**APPLICATION**

MIXING:	Mix before application to assure uniform color and consistency. Power mixing is recommended for quantities greater than 1 gallon (3.8 L). Do not use a paint shaker to mix.
PRIMER:	GacoRoof will adhere to most surfaces without a primer; however, some substrates may require a primer for optimal adhesion. On any aged asphalt surfaces, applying GacoFlex E5320 2-Part Epoxy Primer/Filler, according to label directions, may help prevent bleed-through staining on the final coats. To verify adhesion, use the GacoRoof AdhesionTestKit, which provides results in just 24 hours. If the test reflects poor adhesion, prime all surfaces with GacoFlex E5320 according to label directions.
THINNING:	Product should not be thinned.
APPLICATION:	<p>A minimum of two coats are required; recommended final film build is a minimum of 22 dry mils. To help ensure complete coverage during application of the final coat, it is recommended to use a different GacoRoof color for the first coat to create a color contrast. Mix before application to ensure uniform color and consistency.</p> <p><b>Flat roofs (less than 1:12 pitch/5°):</b> Use a solvent-resistant ¾" or 1" nap roller cover and depending on type of roof, dip roller directly into pail and apply, or pour product onto flat roof surface and roll out evenly, or for very smooth surfaces, pour out product and spread with an 1/8" notched squeegee then immediately back roll for a smooth, even finish.</p> <p><b>Pitched roofs (greater than 1:12 pitch/5°):</b> Use extreme caution when on a pitched roof. Follow all safety guidelines to avoid injury. Use a solvent-resistant ¾" or 1" nap roller cover, dip roller directly into pail, and apply. A roof pitch greater than 4:12/19° is not considered walkable; additional reach equipment may be needed to properly apply the product safely and effectively. Allow the first coat to dry for 3 to 12 hours. Apply second coat as soon as the first coat can be safely walked on. The coverage rate of GacoRoof is 100 sq. ft. per gallon in each coat on a smooth surface; coverage rate may decrease on textured surfaces, and more coating will likely be used on first coat than on additional coats. Smooth roofs can be completed in 2 coats, lightly textured surfaces often require 3 coats, and heavily textured surfaces may require 4 coats to achieve a final 22 dry mil film build.</p> <p>Do not apply in temperatures below freezing, above 120°F (49°C) or if rain is expected within 2 hours. Do not walk on GacoRoof other than for periodic maintenance; for areas of light foot traffic, create a walking path by applying a coat of LiquidRoofTape according to label instructions.</p>
DRY TIME:	Allow the first coat to dry for 3 to 12 hours. Apply second coat as soon as the first coat can be safely walked on. NOTE: drying time depends on weather conditions such as temperature, humidity and air movement.



- CLEAN UP:** Application tools and equipment can be cleaned with GacoFlex Silicone Solvent or 100% Pure Mineral Spirits. **DO NOT USE WATER OR RECLAIMED SOLVENTS.** Once a container of GacoRoof is opened, the curing process has started. Use the entire product on your project if possible. Allow any remaining product in the container to solidify and dispose of in the proper manner.
- MAINTENANCE:** Roof structures may settle over time. A periodic inspection of your roof, which includes transition areas, flashing, vents and skylights, is recommended. Keep drains cleared at all times. Roofs become slippery when wet. Use extreme caution. Do not recoat GacoRoof with acrylic, urethane or Hypalon® coatings. Recoat cleaned GacoRoof only with more GacoRoof.
- CAUTION:** For specific Health and Safety information, please refer to the Safety Data Sheet.

