

# Gaco Western

S I N C E 1 9 5 5

## Product Data Sheet:

GacoFlex S42 Series  
September 2018

### GACOFLEX™ S42 SERIES HIGH ADHESION 100% SILICONE COATING

- DESCRIPTION:** GacoFlex S42 Series coatings are high adhesion, solvent-free, single-component waterproof elastomeric moisture-curing silicone coatings that do not require a primer over most substrates.
- USAGE:** GacoFlex S42 Series are ideal for use as a maintenance coating system over metal roofs, weathered single ply membranes, polyurethane foam roofs, and aged SBS, APP and built-up roofing\* where the substrate is in sound condition but requires a renewal of the membrane surface due to the normal effects of use and aging.\*\*
- GacoFlex S42 Series Coatings may also be used over concrete and existing elastomeric coatings, but GacoFlex E5320 Epoxy Primer may be required.
- When properly applied, the GacoFlex S42 coating system provides a seamless, weather-tight seal that protects the roofing substrate from degradation caused by ultraviolet light, water and other normal weathering hazards.
- A roof coated with GacoFlex S42 silicone coating is ideal for use as part of a rainwater catchment system (NSF certification in process).
- \*Includes mineral cap sheets, but excludes gravel-surfaced built-up roofs. GacoFlex A4271 BleedTrap Base Coat is recommended for all asphalt substrates prior to coating with GacoFlex S42. A4271 BleedTrap Base Coat is required in warranted applications over SBS.*
- LIMITATIONS:** GacoFlex A4271 BleedTrap Base Coat may be used over asphaltic surfaces to reduce the potential of discoloration caused by asphaltic oil migration into the S42 silicone coating. May require a suitable primer on some single ply membranes such as TPO, please contact Technical Services for specific recommendations.
- COLORS:** S4200 White, S4222 Gray, S4248 Tan; S4229 Dark Gray (custom colors available as special orders only)

### APPLIED PRODUCT DATA

- APPROVALS:** Underwriters Laboratory –UL790-Class A  
Cool Roof Rating Council – CRRC 0740-0012



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



### PROVISIONAL PRODUCT DATA

Made in the USA



[gaco.com](http://gaco.com)



800.331.0196



**ADHESION:** Excellent adhesion to polyurethane foam, such as F2733 GacoRoofFoam, aged asphaltic roofs, concrete and aged single ply membranes. An anti-corrosive metal primer may be used on ferrous metal roofs to help prevent corrosion from spreading.

**PHYSICAL PROPERTIES:**

| Physical Properties                   | ASTM Test   | Result      | Requirement            |
|---------------------------------------|-------------|-------------|------------------------|
| Tensile Strength @ 73°F               | D2370       | 275 psi     |                        |
| Elongation at Break @ 73°F            | D2370       | 196 %       |                        |
| Tensile Strength @ 0°F                | D2370       | 275 psi     |                        |
| Elongation at Break @ 0°F             | D2370       | 196 %       |                        |
| Tear Resistance (Die C)               | D624        | 24 lbs/inch | 20 min                 |
| Wet Adhesion                          |             |             | ASTM D6694 Requirement |
| Spray Polyurethane Foam               | C 794/D 903 | Pass        | 2.0 min                |
| Acrylic Coating                       |             |             |                        |
| Galvanized Metal with E5320 Primer    |             |             |                        |
| BUR with E5320 Primer                 |             |             |                        |
| EPDM with E5320 Primer                |             |             |                        |
| PVC with E5320 Primer                 |             |             |                        |
| Water Swelling, Mass %                | D471        | 0%          |                        |
| Water Vapor Permeability, 20 mils DET | E96         | 6.4 Perms   |                        |

| Solar Performance               | ASTM Test | Initial | After Soiling |
|---------------------------------|-----------|---------|---------------|
| Solar Reflectance – S4200 White | C1549     | 0.87    | 0.81          |
| Thermal Emittance – S4200 White | C1371     | 0.89    | 0.88          |

**PACKAGED PRODUCT DATA**

**THEORETICAL  
COVERAGE:**

1513 Sq Ft/Gal/Mil (3713 m<sup>2</sup>/L/0.02 mm)

**WEIGHT PER  
GALLON:**

10.63 LBS/GAL

**SOLIDS:**

Weight: ASTM D1644 96%

Volume: ASTM D2697 95%

**V.O.C.:**

EPA Method 24  
< 50 g/l (<0.417 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).

**TOXICITY:**

Not for use in contact with edible substances or for long-term storage of potable water.



## APPLICATION

- MIXING:** Mix before application to ensure uniform color and consistency.
- THINNING:** Thinning is not recommended under normal conditions.
- APPLICATION:** Apply by brush or  $\frac{3}{4}$ " 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 Firestone Building Products.
- On smooth surfaces, apply one coat at the rate of 1.25 gallons per 100 square feet to achieve approximately 18 dry mils. On granulated and other rough surfaces, apply one coat at the rate of 1.75 gallons per 100 square feet.
- Coat all surfaces including expansion joint covers and flashings. Extra material is required at all edges and penetrations.
- NOTE: Application rate is job-specific and losses due to overspray, surface profile and wind may occur. Additional material may be required to achieve 18 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 S42 Safety Data Sheet

