

# Gaco™

## Product Data Sheet:

GacoFlex™ S42 Series  
Rev: 09/2020

### 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, and polyurethane foam roofs (including F2733 GacoRoofFoam™). GacoFlex S4200\* is ideal for use over aged SBS, APP, and built-up roofing\*\*. Use is restricted to circumstances where the membrane surface 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 with an appropriate GacoFlex primer. When properly applied, the GacoFlex S42 coating system provides a seamless, weather-tight seal that protects the roofing substrate from degradation caused by UV, water, and other normal weathering hazards. A roof coated with GacoFlex S42 Series Silicone Coating is ideal for use as part of a rainwater catchment system.
- \*Note: Do not use colored silicone coatings over asphalt substrates.*
- \*\*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 S4200. A4271 BleedTrap Base Coat is required for all warranted applications over SBS.*
- LIMITATIONS:** GacoFlex A4271 BleedTrap Base Coat is recommended over asphaltic substrates to reduce the potential for discoloration caused by asphaltic oil migration into the GacoFlex S4200. 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

### APPLIED PRODUCT DATA

- APPROVALS:** Underwriters Laboratory –UL790-Class A  
Cool Roof Rating Council – CRRC 0740-0012  
FM Approval – No.: PR450562  
Miami-Dade County NOA No.: 18-1030.01  
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



**PROVISIONAL PRODUCT DATA**

**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, followed by a light dusting of GacoFlex E5320 2-Part Epoxy Primer/Filler.

**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	

<b>Solar Performance</b>			
Solar Reflectance (Initial)	C1549	Pass	0.87
Solar Reflectance (Accelerated)	D7897-15, C1549	Pass	0.81
Thermal Emittance (Initial)	C1371	Pass	0.89
Thermal Emittance (Accelerated)	D7897-15, C1371	Pass	0.88
Solar Reflectivity Index (SRI) – (Initial)	E1980	Pass	110
Solar Reflectivity Index (SRI) – (Accelerated)	D7897-15, E1980	Pass	101

**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%

95%

Volume: ASTM D2697

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 original 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 properly prior to application to ensure uniform color and consistency.

THINNING: Thinning is not recommended under normal conditions.

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. Do not apply when ambient or substrate temperature is below freezing or above 120°F (49°C).

On smooth surfaces, apply one coat at an approximate rate of 1.25 Gal per 100 Sq. Ft. to achieve approximately 18 mils dry film thickness (DFT). On granulated and other rough surfaces, apply one coat at a rate of 1.75 Gal per 100 Sq. Ft.

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 T5135 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.