



# GacoFlex™

## S42 Series

The high adhesion alternative to replacing your weathered roof.

### WHY DOES ADHESION MATTER?

The GacoFlex S42 Series of silicone coatings has been engineered for improved adhesion when compared to the previous generation Gaco silicone coatings. GacoFlex S42 silicone coatings may be applied directly to most substrates\* with one coat application, contributing to faster installation.

\* Always perform an adhesion test to ensure compatibility.

GacoFlex S42 Series is a 100% silicone roof coating solution for renewing your weathered roof. This high adhesion coating can be installed over virtually any existing roof substrate\* creating a durable, seamless membrane that helps protect the roof from permanent ponding water, ultraviolet light and severe weather.

GacoFlex S42 Series covers more surface area with less material than many other competitive silicones, exhibits outstanding peak hide coverage on granulated surfaces, and with its strong adhesion to multiple types of surfaces, it eliminates the need for an epoxy primer in many cases, allowing for faster installation.

Guaranteed? It qualifies for a GacoFlex System Warranty when installed by a Gaco Qualified Applicator. GacoFlex S42 Series carries a 50 year limited material warranty and is available in white, tan, gray, and Santa-Fe tan.

For more information and warranty requirements, visit [www.gaco.com](http://www.gaco.com).



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# GacoFlex S42 Series

## High Adhesion 100% Silicone Coating

<b>DESCRIPTION</b>	GacoFlex S42 Series coatings are high adhesion, solvent-free, single-component waterproof elastomeric moisture-curing silicone coatings.						
<b>USAGE</b>	<p>GacoFlex S42 Series may be used as a maintenance coating system over pre-existing elastomeric roof coatings, metal roofs, APP*, SBS*, BUR*, and weathered single ply membranes (EPDM, PVC, 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.</p> <p>A roof coated with GacoFlex S42 Series is ideal for use as part of a rainwater catchment system (NSF certification in process).</p> <p>GacoFlex S42 Series Coatings are suitable liquid applied silicone coatings used in sprayed-in-place polyurethane foam roofing systems.</p> <p>GacoFlex S42 Series Coatings may also be used over concrete and other coatings. GacoFlex S42 may also be used over some asphaltic substrates, such as modified bitumen, when properly applied over an approved base coat, such as with GacoFlex A4271 BleedTrap™ Base Coat; please contact Firestone Building Products for specific recommendations.</p> <p>When properly applied, the coating system helps provide a seamless weather-tight seal that protects the substrate from degradation caused by ultraviolet light, water and other normal weathering hazards.</p> <p>* Please note that a base coat of BleedTrap is required for SBS substrates and recommended for APP and BUR prior to coating with GacoFlex S42. Not to be used over gravel surfaced BUR's.</p>						
<b>COLORS</b>	S4200 White, S4222 Gray**, S4248 Tan**, S4258-5 Santa-Fe Tan**. **colors not to be used over asphalt systems.						
<b>APPLIED PRODUCT DATA</b>							
<b>WEATHERABILITY</b>	Excellent durability, color stability and chalk resistance.						
<b>TOXICITY</b>	Not for use in contact with edible substances or for long-term storage of potable water.						
<b>CHEMICAL RESISTANCE</b>	Excellent solvent and chemical resistance.						
<b>PHYSICAL PROPERTIES</b>	<b>ASTM Test</b>	<b>Result</b>	<b>ASTM D6694 Requirement</b>	<b>SOLAR PERFORMANCE</b>	<b>ASTM Test</b>	<b>Initial</b>	<b>CRRC Rapid Rating (Lab-Aged)</b>
Tensile Strength @ 73°F	D2370	275 psi	150 min	Solar Reflectance	C1549	0.87	0.81
Elongation at Break @ 73°F	D2370	196%	100 min	Thermal Emittance	C1371	0.89	0.88
Tensile Strength @ 0°F	D2370	176 psi	150 min	Solar Reflectance Index (SRI)	E1980	110	101
Elongation at Break @ 0°F	D2370	113%	100 min				
Tear Resistance (Die C)	D624	24 lbf/inch	20 min				
Permeance – 20 mils DFT @ 73°F / 50% RH	E96 – B	6.4 Perms	2.5 min				
<b>Wet Adhesion</b>							
Spray Polyurethane Foam	C794 / D903	Pass	2.0min				
A4271 Acrylic BleedTrap Base Coat	C794 / D903	Pass	2.0min				
EPDM	C794 / D903	Pass	2.0min				
PVC	C794 / D903	Pass	2.0min				
<b>PACKAGED PRODUCT DATA</b>							
<b>THEORETICAL COVERAGE</b>	1.25 gallons per 100 sq. ft. to yield approximately 18 dry mils. On granulated and other rough surfaces, apply one coat at the rate of 1.75 gallons per 100 square feet. NOTE: Application rate is job specific and losses due to overspray, surface profile, and wind may occur. Additional material may be required to achieve dry film thickness.						
<b>SOLIDS</b>	Weight: 96% (ASTM D1644) / Volume: 95% (ASTMD2697)						
<b>VOC</b>	<50 g/l (<0.417 lb/gal)						
<b>FLASH POINT</b>	ASTM D3278		178°F (81°C)				
<b>STORAGE STABILITY</b>	Two years from date of manufacture when stored in sealed containers between 0°F - 80°F (-17°C - 26°C).						
<b>APPLICATION</b>							
<b>MIXING</b>	Mix before application to ensure uniform color and consistency.						
<b>THINNING</b>	Thinning is not recommended under normal conditions.						
<b>ASPHALT ROOFING SEALER</b>	To help inhibit bleed-through on asphaltic and bitumen-containing substrates, first apply 1 coat of GacoFlex A4271 BleedTrap Base Coat for Asphalt Roofing at a rate of 100 sq. ft. per gallon to yield 6 dry mils.						
<b>PRIMER</b>	When GacoFlex E5320 2-Part Epoxy Primer/Filler is necessary, such as on some single ply membranes, priming should be done in accordance with label directions. An anti-corrosive metal primer may be used on ferrous metal roofs to help prevent corrosion.						
<b>APPLICATION</b>	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 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.						
<b>DRY TIME</b>	Final coat should be allowed to cure 24 to 48 hours, depending on temperature and humidity, before suitable for light foot traffic.						
<b>CLEAN UP</b>	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 Safety Data Sheet.							



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