



**GacoFlex**<sup>®</sup>  
by Gaco Western<sup>®</sup>

## S20 Series

The solvent-free alternative to replacing your weathered roof.

### WHY CHOOSE SOLVENT-FREE?

GacoFlex solvent-free silicone coatings are made nearly entirely of solids – 95% of what is in the can stays on the roof! The remaining 5% is a specially-formulated curing agent that works by forming a chemical bond between the coating's molecules and sets the coating in place – instead of by the evaporation of harmful solvents into the environment.

Whether your roof is large or small, flat or sloped, GacoFlex S20 Series Solvent-Free 100% Silicone Roof Coatings provide a proven, guaranteed solution for renewing your weathered and leaking roof. They can be applied to virtually any existing roof to create a durable, glossy, seamless membrane that seals and protects against permanent ponding water, ultraviolet light and severe weather. By re-coating, you not only extend the life of your roof, you avoid the need for a time-consuming and costly roof tear-off.

Guaranteed? Yes! All GacoFlex Silicone Roof Coatings carry a 50 Year Limited Material Warranty. In addition, a Labor & Material Warranty is available to Gaco Western Qualified Applicators when GacoFlex S20 Series coating is applied over E5320 2-Part Epoxy Primer/Filler and according to Gaco Western specifications.

GacoFlex S20 Series offers decades of proven performance and protection. **Guaranteed.**

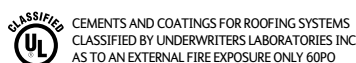


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# GacoFlex S20 Series

## Solvent-Free 100% Silicone Coating | March 2017

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|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------|
| <b>DESCRIPTION</b>                                                                                                             | GacoFlex S20 Series coatings are solvent-free, single-component waterproof elastomeric moisture-curing silicone coatings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                               |
| <b>USAGE</b>                                                                                                                   | <p>GacoFlex S20 Series are ideal for use as a maintenance coating system over pre-existing elastomeric roof coatings, metal roofs, built-up roofing, mineral cap sheet, 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 S20 Series is ideal for use as part of a rainwater catchment system.</p> <p>GacoFlex S20 Series Coatings are the standard specification for liquid applied silicone coating used in sprayed-in-place polyurethane foam roofing systems.</p> <p>GacoFlex S20 Series Coatings may also be used over concrete, coatings, and over plywood decking when properly applied over an approved base coat; please contact Gaco Western for specific recommendation.</p> <p>When properly applied, the coating system provides a seamless weather-tight seal that protects the substrate from degradation caused by ultraviolet light, water and other normal weathering hazards.</p>                                                                                                   |                |                               |
| <b>COLORS</b>                                                                                                                  | S2000 White, S2022 Gray, S2048 Tan; S2029 Dark Gray (available as special order only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                               |
| <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 long-term potable water storage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                               |
| <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> |
| Tensile Strength @ 73°F                                                                                                        | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 450 psi        | 150 min                       |
| Elongation at Break @ 73°F                                                                                                     | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 174%           | 100 min                       |
| Tensile Strength @ 0°F                                                                                                         | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 574 psi        | 150 min                       |
| Elongation at Break @ 0°F                                                                                                      | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 169%           | 100 min                       |
| Tear Resistance (Die C)                                                                                                        | D624                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 35.8 lbs/inch  | 20 min                        |
| Crack Bridging - Low Temperature @ -15°F                                                                                       | D522                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Pass           | Pass                          |
| Permeance - 20 mils DFT @ 73°F / 50% RH                                                                                        | E96 - B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5.0 Perms      | 2.5 min                       |
| Wet Adhesion                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                               |
| Spray Polyurethane Foam                                                                                                        | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| Acrylic Coating                                                                                                                | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| Galvanized Metal with E5320 Primer                                                                                             | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| BUR with E5320 Primer                                                                                                          | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| EPDM with E5320 Primer                                                                                                         | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| PVC with E5320 Primer                                                                                                          | C794 / D903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pass           | 2.0 min                       |
| GacoFlex S2000 (white) meets the cool roof requirements of California Title 24 and the International Energy Conservation Code. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                               |
| <b>8,670 Hour Immersion in 150°F Water</b>                                                                                     | <b>D471</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Not Required   |                               |
| Tensile Strength                                                                                                               | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 450 psi        | Not Required                  |
| Elongation at Break                                                                                                            | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 125%           | Not Required                  |
| <b>1000 Hrs. Accelerated Weathering</b>                                                                                        | <b>G154</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                               |
| Elongation at Break @ 73°F                                                                                                     | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 371%           | 100 min                       |
| Elongation at Break @ 0°F                                                                                                      | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 124%           | 100 min                       |
| <b>5000 Hrs. Accelerated Weathering</b>                                                                                        | <b>G154</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                               |
| Elongation at Break @ 73°F                                                                                                     | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 126%           | Min 50%                       |
| Elongation at Break @ 0°F                                                                                                      | D412                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 124%           | Min 50%                       |
| Appearance                                                                                                                     | D6694                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Pass           | No Cracking or Checking       |
| <b>SOLAR PERFORMANCE</b>                                                                                                       | <b>ASTM Test</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Initial</b> |                               |
| Solar Reflectance                                                                                                              | C1549                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.88           |                               |
| Thermal Emittance                                                                                                              | C1371                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.87           |                               |
| Solar Reflectivity Index (SRI)                                                                                                 | E1980                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 111            |                               |
| <b>PACKAGED PRODUCT DATA</b>                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                               |
| <b>THEORETICAL COVERAGE</b>                                                                                                    | 1.5 gallons per 100 sq. ft. to yield approximately 22 dry mils.<br>NOTE: Application rate is job specific and losses due to overspray, surface profile, and wind may occur. Additional material may be required to achieve 22 dry mils.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |                               |
| <b>SOLIDS</b>                                                                                                                  | Weight: 96.5% (Method 4041 - Fed. Std. 141) / Volume: 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                               |
| <b>VOC</b>                                                                                                                     | 37 g/l (0.309 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>                                                                                                                | Product should not be thinned.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                               |
| <b>ASPHALT ROOFING SEALER</b>                                                                                                  | As an option to help inhibit bleed-through on asphaltic and bitumen-containing substrates, first apply 1 coat of GacoFlex A4207 BleedTrap Sealer for Asphalt Roofing at a rate of 100 sq. ft. per gallon to yield 8 dry mils.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                               |
| <b>PRIMER</b>                                                                                                                  | Existing silicone coatings should not be primed. On all other substrates, apply GacoFlex E5320 2-Part Epoxy Primer/Filler according to label directions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                               |
| <b>APPLICATION</b>                                                                                                             | <p>Apply by brush or 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 Gaco Western.</p> <p>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.</p> <p>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.</p> <p>NOTE: Application rate is job-specific and losses due to overspray, surface profile and wind may occur. Additional material may be required to achieve 22 dry mils.</p> |                |                               |
| <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.                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |                               |



\*Applies only to S2000 (white)

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