Gaco™

*Product Data Sheet (PDS):*

**GacoFlex™ U64C**
*Revised: 03/2024*

# GACOFLEX™ U64C
# TWO-COMPONENT, FIRE-RETARDANT POLYURETHANE COATING (VOC-COMPLIANT)

## A. PRODUCT DESCRIPTION:

GacoFlex U64C is a two component, fire retardant, polyurethane, elastomeric waterproofing coating.

## B. RECOMMENDED USE:

Intended for use on traffic decks, roofs, mechanical room floors and walking decks where excellent weathering, fire retardance, toughness, fast cure and good solvent resistance is needed. Suitable substrates include concrete, plywood, sprayed in place polyurethane foam and metal.

## C. PACKAGED PRODUCT DATA*:

| *PROPERTY* | *DESCRIPTION* |
|---|---|
| **COLOR** | U6402C Pewter |
| **WEATHERABILITY** | Excellent durability and chalk resistance, slight yellowing will occur. |
| **CHEMICAL RESISTANCE** | Good salt, acid, alkali and solvent resistance. Excellent hydrolytic stability up to 160 °F (71 °C). |
| **TOXICITY** | Inhaling high vapor concentration of solvents could have adverse health effects. Part B contains isocyanate prepolymer, which is toxic if heated in a confined area and inhaled as particulate matter. Wear respiratory protection if material is heated, sprayed, or used in a confined space. Refer to SDS for more information. |
| **ADHESION** | Adheres well to wood, sprayed-in-place polyurethane foam, neoprene, Hypalon coatings and GacoFlex primers. See primer recommendations below (or Gaco Primer Recommendation Chart), for specific surfaces. The GacoFlex E5691 Primer Sealer is required to minimize blistering when coating over porous concrete. U64 series coatings may be re-coated when dried to touch with a maximum time of seventy-two (72) hours between coats. Recoating beyond that time will require sanding and a primer. |
| **COVERAGE** | Mil ft² / gal: 1200 (29.5 m² / L /.02 mm)<br>A & B Combined Applied Coverage: 4 Gal / 100 ft² (15.14 L / 9.3 m²) to yield 1/16 in (1.6 mm) thickness. |
| **SOLIDS** | Weight: Method 4041 Fed. Std. 141 — 78% ± 1%<br>Volume: — 75% ± 1% |
| **V.O.C.** | N/A |
| **FLASH POINT** | ASTM D-56 (Tag Closed Cup) — Part A -4 °F (-20 °C)<br>Part B -4 °F (-20 °C) |
| **STORAGE STABILITY** | Part A and Part B — One (1) year at 50 to 80 °F (10 to 27 °C) |
| **THINNER** | T5116 for brush, roller or spray |

**D. APPLIED PRODUCT DATA:**

| *PROPERTY* | *TEST* | *RESULT* | |
|---|---|---|---|
| **TENSILE** | D412<br>Strength:<br>Elongation:<br>Permanent Set at Break: | | Change in % after exposure<br>ASTM D3137, Hydrolytic Stability<br>6 months @ 100 °F (38 °C) |
| | | 2100 ± 100 psi<br>(14.48 ± 69 MPa)<br>400% ± 25%<br>15% max | -6%<br><br>+5% |
| **HARDNESS** | D2240 | 90 ± 5 Shore A | |
| **TEAR RESISTANCE** | D624 Die C lb/inch min. | 375 ± 25 (66.9 ± 4.5 kg(f) / cm) | |
| **WATER ABSORPTION** | D471 max, 7 days R.T. | 2% | |
| **WATER VAPER PERMEABILITY** | ASTM E96 Procedure B<br>Max. 100% RH difference @ 23 °C | 0.02 perm inches | |

**E. INSTALLATION INSTRUCTIONS:**

| *STAGE* | *DESCRIPTION* |
|---|---|
| **PRIMING** | Polyurethane Foam Insulation — No primer necessary<br>Wood — No primer necessary<br>Concrete — GacoFlex E5691<br>Metals — GacoFlex E5320 |
| **MIXING** | Examine both components to determine that they have not solidified. Stir Part A and Part B to suspend any settled pigment. Combine equal volumes of Part A and Part B. Mix thoroughly (power mixing is mandatory for quantities over two gallons (7.57 L).<br>When application is to surfaces with a temperature between 33 °F and 50 °F (1 °C and 10 °C), mix Part A and Part B which have been warmed to 60 °F (16 °C) minimum and let mixture stand for fifteen (15) minutes before application. This will cause a viscosity increase and thinning may be needed for application |
| **POT LIFE** | Pot life varies with the temperature of the material; including the temperature at which the material is stored. As a general guide, pot life can be expected when material temperatures are as follows:<br>60 °F (16 °C) – One (1) Hour<br>78 °F (26 °C) – Thirty (30) Minutes<br>96 °F (36 °C) – Fifteen (15) Minutes |
| **APPLICATION** | For spray application, thin if necessary with T5116. Apply with conventional spray gun or with airless spray equipment. When thinning for trowel application at temperatures above 80 °F (27 °C), use T5118 trowel thinner to prevent rapid skin formation on the surface. Up to 5 % thinning is allowed to compensate for increasing viscosity that will occur at the end of pot life. Thoroughly clean spray equipment with T5130 thinner. Circulate through lines and gun until residual U64 is removed. Flush with clean thinner.<br>Do not apply GacoFlex U64 materials to surfaces below 33 °F (1 °C). |

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|---|---|
| **CURING** | Applied coating will set in eight hours at 70 °F (21 °C) and can be used for light foot traffic after twenty-four (24) hours cure. For vehicle traffic, an additional 24 hours is necessary.<br>A special accelerator, U5651, is available to increase the rate of cure. Up to ¼ oz / gal (7 ml / 3.78 L) in Part A may be used to double cure rate; pot life will be reduced accordingly. |

** For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product & published on Gaco.com.*