

**GACOFLEX® U-64C
LIQUID POLYURETHANE COATING
SCAQMD COMPLIANT**

DESCRIPTION

GacoFlex U-64C is a two component, fire retardant, polyurethane, elastomeric waterproofing coating.

RECOMMENDED USES

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.

TYPICAL PROPERTIES

PROPERTY	VALUE
Color	U-6402C 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 primer-sealer system is required to minimize blistering when coating over porous concrete. U-64C series coatings may be re-coated when dried to touch with a maximum time of 72 hours between coats. Recoating beyond that time will require sanding and a primer.

APPLIED PRODUCT DATA

PROPERTY	ASTM	VALUE
Tensile	D412	Change in % after exposure ASTM D3137, Hydrolytic Stability 6 months @ 100 °F (38 °C)
	Strength:	2100 ± 100 psi (14.48 ± 69 MPa)
	Elongation: Permanent Set at Break:	-6% 400% ± 25% 15% max
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 Vapor Permeability	ASTM E96 Procedure B Max. 100% RH difference @ 23 °C	0.02 perm inches



PACKAGED PRODUCT DATA

PROPERTY	VALUE	
Coverage	Mil ft ² per Gallon: 1200 (29.5 m ² / L / .02 mm)	
Solids	Weight: Method 4041 Fed. Std. 141	78% ± 1%
	Volume:	75% ± 1%
V.O.C.	N/A	
Flash Point	ASTM D-56 (Tag Closed Cup)	Part A -4 °F (-20 °C) Part B -4 °F (-20 °C)
Storage Stability	Part A and Part B	One year at 50 to 80 °F (10 to 27 °C)
Thinner	GacoFlex T-5110	

APPLICATION

PROPERTY	VALUE
Primer	<p>Polyurethane Foam Insulation No primer necessary</p> <p>Wood No primer necessary</p> <p>Concrete GacoFlex E-5691</p> <p>Metals GacoFlex E-5320</p>
Mixing Instructions	<p>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).</p> <p>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 15 minutes before application. This will cause a viscosity increase and thinning may be needed for application.</p>
Pot Life	<p>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:</p> <p>60 °F (16 °C) - 1 Hour</p> <p>78 °F (26 °C) - 30 Minutes</p> <p>96 °F (36 °C) - 15 Minutes</p>
Application	<p>For spray application, thin if necessary with T-5116. Apply with conventional spray gun or with airless spray equipment. When thinning for trowel application at temperatures above 80 °F (27 °C), use T-5118 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 T-5130 thinner. Circulate through lines and gun until residual U-64C is removed. Flush with clean thinner.</p> <p>Do not apply GacoFlex U-64C materials to surfaces below 33 °F (1 °C).</p>
Cure	<p>Applied coating will set in eight hours at 70 °F (21 °C) and can be used for light foot traffic after 24 hours cure. For vehicle traffic, an additional 24 hours is necessary.</p> <p>A special accelerator, U-5651, is available to increase the rate of cure. Up to ¼ ounce per gallon (7 ml per 3.78 L) in Part A may be used to double cure rate; pot life will be reduced accordingly.</p>

See Gaco General Instructions GW-3-1 for safety and storage notes, and GW-3-3 for complete application details. For specific Safety and Health information please refer to Safety Data Sheet (SDS).

