

### GACOFLEX® U-64 LIQUID POLYURETHANE COATING

#### DESCRIPTION

GacoFlex U-64 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-6402 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 E-5691 Primer Sealer is required to minimize blistering when coating over porous concrete. U-64 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	<b>D412</b>	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:	400% ± 25% 15% max
Hardness	<b>D2240</b>	90 ± 5 Shore A
Tear Resistance	<b>D624</b> Die C lb/inch min.	375 ± 25 (66.9 ± 4.5 kg(f) / cm)
Water Absorption	<b>D471</b> max, 7 days R.T.	2%
Water Vapor Permeability	<b>ASTM E96</b> Procedure B Max. 100% RH difference @ 23 °C	0.02 perm inches



**PACKAGED PRODUCT DATA**

PROPERTY	VALUE
Coverage	Mil ft <sup>2</sup> per Gallon: 1200 (29.5 m <sup>2</sup> / L / .02 mm) A & B Combined Applied Coverage: 4 Gal/100 ft <sup>2</sup> (15.14 L / 9.3 m <sup>2</sup> ) to yield 1/16" (1.6 mm) thickness.
Solids	Weight: Method 4041 Fed. Std. 141 83.5% ± 1%
	Volume: 75.0% ± 1%
V.O.C.	Actual V.O.C. content 219 grams per liter
Flash Point	ASTM D-56 (Tag Closed Cup) Part A 22 °F (-6 °C) Part B 45 °F (7 °C)
Storage Stability	Part A and Part B One year at 50 to 80 °F (10 to 27 °C)
Thinner	T-5116 for brush, roller or spray

**APPLICATION**

PROPERTY	VALUE
Primer	Polyurethane Foam Insulation No primer necessary Wood No primer necessary Concrete GacoFlex E-5691 Metals GacoFlex E-5320
Mixing Instructions	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)).  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
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: 60 °F (16 °C) - 1 Hour 78 °F (26 °C) - 30 Minutes 96 °F (36 °C) - 15 Minutes
Application	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-64 is removed. Flush with clean thinner.  Do not apply GacoFlex U-64 materials to surfaces below 33 °F (1 °C).
Cure	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.  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.

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 I Safety Data Sheet (SDS).

