

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex U-64
October 2011
Supersedes 2/07

GACOFLEX[®] U-64 LIQUID POLYURETHANE COATING

DESCRIPTION:	GacoFlex U-64 is a two component, fire retardant, polyurethane, elastomeric waterproofing coating.
USAGE:	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.
STANDARD COLOR:	U-6402 Pewter

APPLIED PRODUCT DATA

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).		
TENSILE:	ASTM D-412	Change in % after exposure ASTM D3137, Hydrolytic Stability 6 months @ 100°F (38°C)	
	Strength:	2100 ± 100 psi (14.48 ± .69 MPa)	-6%
	Elongation:	400% ± 25%	+5%
	Permanent Set at Break:	15% Max.	
HARDNESS:	ASTM D-2240	90 ± 5 Shore A	
TEAR RESISTANCE:	ASTM D-624 Die C Lb./In. Min.	375 ± 25 (66.9 ± 4.5 kg(f)/cm)	
WATER ABSORPTION:	ASTM D-471 Max. 7 days R.T.	2.0%	
WATER VAPOR PERMEABILITY:	ASTM E-96 Procedure B. Max. 100% R.H. Difference 7 days at 23°C	0.02 Perm Inches	
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 MSDS 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 Western Primer Recommendation Chart), for specific surfaces. The GacoFlex primer-sealer system 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.		



PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil	1200 (29.5 m ² /L/.02 mm)
SOLIDS:	Weight: Method 4041	83.5% ± 1%
	Fed. Std. 141	
	Volume:	75% ± 1%
V.O.C. :	Actual V.O.C. content is 219 grams per liter. Maximum allowable thinning is 5% so as not to exceed 250 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°F to 80°F (10°C to 27°C)
THINNER:	T-5116 for brush, roller or spray.	

APPLICATION

PRIMER:	Polyurethane Foam	No primer necessary
	Wood	No primer necessary
	Concrete	Standard GacoFlex sealer system U-5677 and E-5320, or GacoFlex E-5481.
	Metals	GacoFlex E-5320, E-5388, U-5677
MIXING INSTRUCTION:	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 Western 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 Material Safety Data Sheet.

