

# Gaco Western

S I N C E 1 9 5 5

## Product Data Sheet:

**GacoFlex U-66C****October 2011**

Supersedes 6/07

### **GACOFLEX® U-66C LIQUID POLYURETHANE COATING SCAQMD COMPLIANT**

DESCRIPTION:	GacoFlex U-66C is a two component, fire-retardant polyurethane elastomeric waterproofing coating.
USAGE:	Intended for use on roofs, mechanical room floors, walking and traffic decks where excellent weathering, fire retardance, toughness, fast cure and good solvent resistance are needed. Suitable substrates include concrete, plywood, sprayed in place polyurethane foam and metal.
STANDARD COLORS:	U-6601C Oyster, U-6602C Pewter, U-6616C Shale, U-6618C Adobe.

#### **APPLIED PRODUCT DATA**

WEATHERABILITY:	Excellent durability and chalk resistance, off-whites will show some yellowing.	
CHEMICAL RESISTANCE:	Good salt, acid and solvent resistance. Fair alkali resistance. Excellent hydrolytic stability to 160°F (71°C).	
TENSILE:	ASTM D-412	
	Strength:	2600 ± 100 psi (17.93 ± .69 MPa)
	Elongation:	300% ± 25%
	Permanent Set at Break:	25% Maximum
HARDNESS:	ASTM D-2240	90-95 Shore A
TEAR RESISTANCE:	ASTM D-624 Die C	
	Lb./In. Min.	400 ± 25 (71.4 ± 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 recommended to minimize blistering when coating over porous concrete. U-66C series coatings can be re-coated when set to touch or as much as a week between coats may be allowed, as long as the surface is clean and dry.	



### PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil	1195 to 1210 (29.3 to 29.7 m <sup>2</sup> / L / .02 mm) depending upon color	
SOLIDS:	Weight: Method 4041	83.0% to 85.0% depending upon color	
	Fed. Std. 141		
	Volume:	74.5% to 75.5% depending upon color	
V.O.C. :	< 10 Grams per liter Parts A & B combined		
FLASH POINT:	ASTM D-56 (Tag Closed Cup)	Part A	-4°F
		Part B	-4°F
STORAGE STABILITY:	Part A and B, 1 year at 50 to 80°F (10°C to 27°C).		
THINNER:	Consult Gaco Western.		

### APPLICATION

PRIMER:	Polyurethane Foam	No primer necessary
	Wood	No primer necessary
	Concrete	Standard GacoFlex sealer system U-5677 / E-5320 or GacoFlex E-5481
	Metals	GacoFlex E-5320 and/or E-5388, GacoFlex U-5677

**MIXING INSTRUCTIONS:** Examine both components to determine that they have not solidified. Stir Part A 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).

**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) – Approximately 2 Hours  
78°F (26°C) – Approximately 1 Hour  
96°F (36°C) – Approximately ½ Hour

**APPLICATION:** **Note:** Surface and ambient temperature should be a minimum of 40°F (4°C) to allow coating to cure properly.

**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, and GW-3-3 for complete application details. For specific Safety and Health information please refer to Material Safety Data Sheet.

