Gaco™

Product Data Sheet:

GacoFlex U-66C
June 2019
Supersedes 10/11

GACOFLEX® U-66C
LIQUID POLYURETHANE COATING
SCAQMD COMPLIANT

DESCRIPTION

GacoFlex U-66C is a two component, fire-retardant polyurethane elastomeric waterproofing coating.

RECOMMENDED USE

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.

TYPICAL PROPERTIES

PROPERTY	VALUE
Color	UB-6601C Oyster UB-6421C Pewter U-6616C Shale U-6618C Adobe
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 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 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.

APPLIED PRODUCT DATA

PROPERTY	ASTM	VALUE
Tensile	**D412** Strength: Elongation: Permanent Set at Break:	2600 ± 100 psi (17.93 ± .69 MPa) 300% ± 25% 25% max
Hardness	**D2240**	90 - 95 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 E-96** Procedure B Max. 100% RH difference 7 days @ 23 °C	0.02 perm inches

PACKAGED PRODUCT DATA

PROPERTY	VALUE	
Coverage	Mil ft² per Gallon: 1195 to 1210 (29.3 to 29.7 m² / L /.02 mm) depending upon color	
Solids	Weight: Method 4041 Fed. Std. 141 Volume:	83 to 85% depending upon color 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 (-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	Consult Gaco	

APPLICATION

PROPERTY	VALUE	
Primer	Polyurethane Foam Insulation Wood Concrete Metals	No primer necessary No primer necessary GacoFlex E-5691 GacoFlex E-5320
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 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 Safety Data Sheet (SDS).