Gaco™

Product Data Sheet:

GacoFlex U-66
June 2019
Supersedes 10/11

GACOFLEX® U-66
LIQUID POLYURETHANE COATING

DESCRIPTION

GacoFlex U-66 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-6601 Oyster UB-6421 Pewter U-6616 Shale U-6618 Adobe
Weatherability	Excellent durability and chalk resistance, off-whites will show some yellowing.
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 recommended to minimize blistering when coating over porous concrete. GacoFlex U-66 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. Use neoprene primer over U-66 to assure adhesion of Hypalon topcoats, when used.

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 ± 5 Shore A
Tear Resistance	**D624** Die C lb/inch min.	375 ± 25 (66.9 ± 4.5 kg(f) / cm)
Water Absorption	**D471**, 7 days R.T.	2%
Water Vaper Permeability	**ASTM E-96** Procedure B Max. 100% RH difference @ 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.	Conforms to V.O.C. regulations	V.O.C. content 210 grams per liter
Flash Point	ASTM D-56 (Tag Closed Cup)	Part A 22 °F (-6 °C) Part B 60 °F (16 °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; T-5118 for troweling	

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 for liquidity. 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	Brush, roll or notch trowel as mixed. Do not thin more than 5%, so as not to exceed 250 grams/liter VOC. For spray application, thin if necessary with GacoFlex 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 GacoFlex T-5118 trowel thinner to prevent rapid skin formation on the surface. Thoroughly clean spray equipment with GacoFlex T-5130 thinner. Circulate through lines and gun until residual U-66 is removed. Flush with clean thinner. Consult Gaco Spray Guide SG-Urethane for more information. **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 notes, and GW-3-3 for complete application details.
For specific Safety and Health information please refer to Safety Data Sheet (SDS).