



Product Data Sheet (PDS):

GacoFlex™ UB64C Series (Compliant)

Revised: 08/2022

**GACOFLEX™ UB64C SERIES (COMPLIANT)
TWO-COMPONENT POLYURETHANE BASE COAT**

A. DESCRIPTION:

GacoFlex UB64C Series is a two-component polyurethane base coat that is hydrolytically stable and possesses fire-retardant properties. This product is certified Low-VOC and SCAQMD-compliant.

B. RECOMMENDED USE:

Use as a base coat on roofs, mechanical room floors, walking decks and traffic decks where polyurethane coating systems require fire retardance, toughness, fast cure and good solvent resistance. Suitable substrates include plywood, polyurethane foam, properly primed concrete and metal. GacoFlex UB6421C (BLACK) is suitable for exterior exposure and may be used as a top coat. GacoFlex UB6407C (WHITE) must be top coated when exposed to the weather. GacoFlex UB64C Series coatings must be top coated within seventy-two (72) hours in order to achieve acceptable top coat adhesion.

C. PACKAGED PRODUCT DATA¹:

PROPERTY	DESCRIPTION
ADHESION	Adheres well to wood, neoprene, Hypalon coatings, acrylic coatings and Gaco primers. See primer recommendations below for specific surfaces. UB64C Series Coatings may be recoated when dried to touch and with a maximum timeframe of seventy-two (72) hours after application is complete.
COLOR	UB6407 = WHITE² ² When Part A & B mixed sufficiently NOTE: Color is approximate only due to coating being a base coat only, will vary in appearance from back to batch. UB6421 = BLACK³ ³ When Part A & B mixed sufficiently
CHEMICAL RESISTANCE	Good salt, acid, alkali and solvent resistance. Excellent hydrolytic stability up to 160 °F (71 °C).
THEORETICAL COVERAGE	1200 ft ² / gal / Mil (29.5 m ² / 3.8 L / 0.02 mm) A&B Combined Coverage: 4 gal / 100 ft ² (15.14 L / 9.3 m ²) to yield 1/16 in (1.6 mm) thickness.
SOLIDS	WEIGHT: 83.5 ± 1% METHOD 4041 VOLUME: 75.0 ± 1% FED. STD. 141
STORAGE STABILITY	Part A and Part B: Unopened – One (1) year at 50 – 80 °F (10 – 27 °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.
V.O.C.	0 g / L EPA Method 24
FLAMABILITY	UL Classified as Class A Roof Covering System per UL790 / ASTM E108
FLASH POINT	Part A: 22 °F (-6 °C) / Part B: 45 °F (7 °C) ASTM D56 (Tag Closed Cup)

WEATHERABILITY	GacoFlex UB6407C is not designed for long term exposure to weather without top coating. Excellent durability when top coated or when GacoFlex UB6421C is used.
THINNER	T5116 for brush, roller or spray application.

D. APPLIED PHYSICAL PROPERTIES:

PROPERTY	STANDARD	REQUIREMENT	RESULT
TENSILE STRENGTH	D412 / ASTM D3137	2100 ± 100 psi (14.48 ± 69 MPa)	-3 %
ELONGATION	D412 / ASTM D3137	-	400% ± 25%
PERMANENT SET AT BREAK	D412 / ASTM D3137	>= 200 psi (1.4 MPa)	-8 %
HARDNESS	D2240	-	90 ± 5 Shore A
TEAR RESISTANCE	D624, Die C	-	375 ± 25 lb / in (66.9 ± 4.5 kg(f) / cm)
WATER ABSORPTION	D471, 24 hours R.T.	-	2 %
WATER VAPOR PERMEABILITY – 20 MILS DFT (INCH POUNDS)	ASTM E-96 Procedure B Max. 100% RH difference @ 23 °C	-	0.02 perm in
LOW TEMPERATURE BITTLENESS	D746	-	-50 °F (-45 °C)

E. APPLICATION:

STEP	INSTRUCTIONS
PRIMER	PER SUBSTRATE TYPE: 1.) POLYURETHANE FOAM: No primer necessary 2.) WOOD: No primer necessary 3.) CONCRETE: GacoFlex E5691 4.) METAL: GacoFlex E5320
MIXING	WARNING: GACOFLEX UB64C SERIES COMPONENTS CANNOT BE COMBINED WITH GACO FLEX U66 SERIES COATINGS. Stir Part A and Part B separately to suspend any settled pigment. Combine equal volumes of Part A and Part B. Mix thoroughly with a power mixer. T5116 thinner may be added during mixing to thin coating if necessary. Apply by spray, brush or roller with workable viscosity range (pot life), usually one (1) hour at 70 °F (21 °C) and 50 % R.H..
POT LIFE	Forty-five (45) minutes at 70 °F (21 °C) and 50 % R.H.
APPLICATION	Apply by spray, brush or roller with workable viscosity range (adjusted per environmental conditions). When application of a GacoFlex UB64C Series coating is to surfaces with a temperature between 33 – 50 °F (1 – 10 °C), mix Part A and

	<p>Part B then warm to 60 °F (16 °C) minimum, and let mixture stand for a minimum of fifteen (15) minutes before application. This will cause a viscosity increase and thinning may be needed for application.</p> <p>NOTE: Do not apply any GacoFlex UB64C Series coating to any surface with a temperature below 33 °F (1 °C).</p>
DRY TIME	<p>Applied coating will set with two (2) hours at 70 °F (21 °C) and 50 % R.H. Suitable for light foot traffic after a minimum twenty-four (24) hours of cure time. For vehicular traffic, add an additional twenty-four (24) hours of cure time.</p>
RE-COAT	<p>Can be recoated after minimum two (2) hours of cure time at 70 °F (21 °C) and 50 % R.H.</p>

¹ For specific Health and Safety information please refer to applicable Safety Data Sheet (SDS)