



Product Data Sheet (PDS):

GacoFlex™ UB64 Series

Revised: 09/2022

GACOFLEX™ UB64 SERIES TWO-COMPONENT POLYURETHANE BASE COAT

A. DESCRIPTION:

GacoFlex UB64 Series is a two-component polyurethane base coat that is hydrolytically stable and possesses fire-retardant properties.

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 UB6421 (BLACK) is suitable for exterior exposure and may be used as a top coat. GacoFlex UB6407 (WHITE) must be top coated when exposed to the weather. GacoFlex UB64 Series coatings must be top coated within seventy-two (72) hours in order to achieve acceptable top coat adhesion.

C. PACKAGED PRODUCT DATA¹:

Table with 2 columns: PROPERTY and DESCRIPTION. Rows include Adhesion, Color (UB6407 = WHITE, UB6421 = BLACK), Chemical Resistance, Theoretical Coverage, Solids, Storage Stability, Toxicity, V.O.C., Flammability, and Flash Point.

WEATHERABILITY	GacoFlex UB6407 is not designed for long term exposure to weather without top coating. Excellent durability when top coated or when GacoFlex UB6421 is used.
THINNER	GacoFlex T5116 Thinner for Aliphatic and Aromatic Polyurethane. Brush, roller or spray application – refer to appropriate PDSs and application guides for complete preparation and installation processes.

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	<u>PER SUBSTRATE TYPE:</u> 1.) POLYURETHANE FOAM: No primer necessary 2.) WOOD: No primer necessary 3.) CONCRETE: GacoFlex E5691 4.) METAL: GacoFlex E5320
MIXING	<u>WARNING:</u> GACOFLEX UB64 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 UB64 Series coating is to surfaces with a temperature between 33 – 50 °F (1 –10 °C), mix Part A and 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. NOTE: Do not apply any GacoFlex UB64 Series coating to any surface with a temperature below 33 °F (1 °C).
DRY TIME	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.
RE-COAT	Can be recoated after minimum two (2) hours of cure time at 70 °F (21 °C) and 50 % R.H.

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