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Product Data Sheet:

UB-64

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Supersedes 02/02

GACOFLEX UB-64 **LIQUID POLYURETHANE BASE COAT**

DESCRIPTION: GacoFlex UB-64 Series liquid polyurethane is a hydrolytically stable, fire retarded, two component elastomer.

USAGE: 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 UB-6421 black is suitable for exterior exposure and may be used as a top coat. GacoFlex UB-6407 gray must be top coated when exposed to the weather. GacoFlex UB-64 must be top coated within 72 hours in order to achieve good top coat adhesion.

COLOR:	PRODUCT	COLOR/PART A	COLOR/PART B	COLOR WHEN MIXED PART A & B
	UB-6407	White	Black	Gray
	UB-6421	Black	Black	Black

NOTE: GacoFlex UB-6407 colors are not controlled, as they are used only as base coat to be overcoated with color-controlled top coats. Base coat colors will vary somewhat from batch to batch.

APPLIED PRODUCT DATA

WEATHERABILITY: GacoFlex UB-6407 is not designed for long term exposure to weather without top coating. Excellent durability when top coated or when GacoFlex UB-6421 is used.

CHEMICAL RESISTANCE: Good salt, acid, alkali and solvent resistance. Excellent hydrolytic stability up to 160°F (71°C).

TENSILE:	ASTM D-412	Change in % after exposure ASTM D3137, Hydrolytic Stability 6months at 100°F (38°C)
Strength:	2100 ± 100 psi (14.48 ± .69 MPa)	-3%
Elongation:	400 ± 25%	-8%
Permanent Set At Break:	15% Max.	

HARDNESS: ASTM D-2240 90 ± 5 Shore A

TEAR ASTM D-624 Die C

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RESISTANCE:	Lb./In. Min.	375 ± 25 (66.9 ± 4.5 kg(f)/cm)
WATER ABSORPTION:	ASTM D-471 Max. 24 Hours R.T.	2.0%
WATER VAPOR PERMEABILITY:	ASTM E-96 Procedure B Max. 100% R.H. Difference at 23°C	0.02 Perm Inches
FLAMMABILITY	UL Classified as Class A Roof Covering System per UL790/ASTM E-108	
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, neoprene, Hypalon coatings, acrylic coatings and Gaco Western primers. See primer recommendations below for specific surfaces. The Gaco Western primer-sealer system is required to achieve adhesion and minimize blistering when coating concrete. UB-64 may be recoated when dried to touch with a maximum time of 72 hours. Recoating beyond that time will require sanding and a primer.	

PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil A & B Combined	1200 (29.5 m ² / L / .02 mm)
SOLIDS:	Weight: Method 4041 Fed. Std. 141	83.5% ± 1%
	Volume:	75.0% ± 1%
V.O.C. :	Actual V.O.C. content 222 grams per liter.	
FLASH POINT:	ASTM D-56 (Tag Closed Cup)	Part A 22°F (-6°C) Part B 45°F (7°C)
STORAGE STABILITY:	Part A and Part B	One year at 50°F to 80°F (10° to 27°C)
THINNER:	T-5116 for brush, roller or spray.	

APPLICATION

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

MIXING: WARNING: UB-64 Series components cannot be combined with U-66 Series components.

GacoFlex UB-6407 and UB-6421: 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. See Gaco Western SG-URETHANE for typical equipment recommendations. T-5116 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 hour at 70°F (21°C).

NOTE: When application of GacoFlex UB-64 is to surfaces with a temperature between 33°F (1°C) and 50°F (10°C), mix Part A and Part B which have been warmed to 60°F (16°C) minimum, and let mixture stand for 15 minutes before application. This will cause a viscosity increase and thinning may be needed for application. Do not apply GacoFlex UB-64 materials to surfaces below 33°F (1°C).

POTLIFE:

PRODUCT	POT LIFE AT 70°F (21°C).	INTENDED APPLICATION METHOD
UB-6407, UB-6421	45 Minutes	Spray or Roll

NOTE: Do not apply to surfaces below 33°F (1°C).

CURE: UB-6407, UB-6421: Applied coating will set in two 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.

RECOAT: Can be recoated when dry to the touch:

UB-6407,
UB-6421: 2 hours at 70°F (21°C)

NOTE: See Gaco Western General Instructions GW-3-1 and MSDS for safety and storage notes.