

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex UB-64C

October 2011

Supersedes 11/06

GACOFLEX® UB-64C LIQUID POLYURETHANE RUBBER BASE COAT SCAQMD COMPLIANT

DESCRIPTION: GacoFlex UB-64C Series Liquid Polyurethane Rubber is a hydrolytically stable, fire retardant, two component elastomer.

USAGE: Intended for 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. UB-6421C is suitable for weathering and may be used as a top coat where black is an acceptable color. UB-6407C must be top coated when exposed to the weather. All colors must be top coated within 72 hours in order to achieve good top coat adhesion.

COLOR:	PRODUCT	COLOR/POLYOL	COLOR/ISO	COLOR WHEN MIXED POLYOL & ISO
	UB-6407C	White	Black	Gray
	UB-6421C	Black	Black	Black

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

CHEMICAL RESISTANCE: Good salt, acid, alkali and solvent resistance. Excellent hydrolytic stability to 180°F (82°C).

TENSILE: ASTM D-412 Change in % after exposure
ASTM D3137, Hydrolytic Stability
6months at 100°F (37.8°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 RESISTANCE: ASTM D-624 Die C
Lb./In. Min. 375 ± 25 (67.1 ± 4.47 kg/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 70°F (21°C). 0.02 Perm Inches

FLAMMABILITY

UL Classified as Class A Roof Covering System per UL790/ASTM E-108

TOXICITY:

Contains solvents that require normal precautions in handling materials of this type. Iso contains isocyanate prepolymer that is toxic if heated above 120°F (49°C). For non-spray applications in confined spaces or areas of poor ventilation and/or warm temperatures an air purifying respirator with organic vapor cartridges is recommended. An air supplied respirator is required for spray applications.

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-64C 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 Polyol & Iso Combined	1200 (29.5 m ² / L / .025 mm)
SOLIDS:	Weight: Method 4041 Fed. Std. 141	78% ± 1%
	Volume:	75% ± 1%
V.O.C.:	None	
FLASH POINT:	ASTM D-56 (Tag Closed Cup)	Polyol: -4°F (-20°C) Iso: -4°F (-20°C)
STORAGE STABILITY:	Polyol and Iso	One year at 50°F to 80°F (10°C to 27°C)
THINNER:	GacoFlex T-5110 for brush, roller or spray.	

APPLICATION

PRIMER:	Polyurethane Foam Insulation:	No primer necessary.
	Wood:	No primer necessary.
	Concrete:	Standard Gaco Western sealer system U-5677 and E-5320 or E-5481.
	Metals including Copper:	E-5320 or U-5677.

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

UB-6407C and UB-6421C: Stir the Polyol and Iso separately to suspend any settled pigment. Combine equal volumes of Polyol and Iso. Mix thoroughly with a power mixer. See Gaco Western SG-URETHANE for typical equipment recommendations. GacoFlex T-5110 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 UB-64C is to surfaces with a temperature between 30°F (-1°C) and 50°F (10°C), mix the Polyol and Iso which have been warmed to 60°F (16°C) minimum, and let mixture stand for 15 minutes before application. This may cause a viscosity increase requiring up to 10% by volume thinner addition for application. Do not apply UB-64C materials to surfaces below 30°F (-1°C).



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

NOTE: Do not apply to surfaces below 30°F (-1°C).

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

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

For specific Safety and Health information please refer to Material Safety Data Sheet.

