

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

A. DESCRIPTION

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

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 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.

C. TYPICAL PROPERTIES

PROPERTY	VALUE						
Color	<table border="1" style="width: 100%;"> <thead> <tr> <th>PRODUCT</th> <th>COLOR WHEN MIXED - Polyol & ISO</th> </tr> </thead> <tbody> <tr> <td>UB-6407C</td> <td>Gray</td> </tr> <tr> <td>UB-6421C</td> <td>Black</td> </tr> </tbody> </table>	PRODUCT	COLOR WHEN MIXED - Polyol & ISO	UB-6407C	Gray	UB-6421C	Black
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UB-6407C	Gray						
UB-6421C	Black						
	NOTE: GacoFlex 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.						
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 180 °F (82 °C).						
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 primers. See primer recommendations below for specific surfaces. The Gaco 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.						

D. APPLIED PRODUCT DATA

PROPERTY	ASTM	VALUE
Tensile	D412	Chang in % after exposure ASTM D3137, Hydrolytic Stability 6 months @ 100 °F (38 °C)
	Strength:	2100 ± 100 psi (14.48 ± 69 MPa)
	Elongation:	400% ± 25%
	Permanent Set at Break:	15% 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 , 24 hours R.T.	2%
Water Vapor Permeability	ASTM E-96 Procedure B Max. 100% RH difference @ 70 °F (23 °C)	0.02 perm inches

E. PACKAGED PRODUCT DATA

PROPERTY	VALUE
Coverage	Mil ft ² per Gallon: 1200 (29.5 m ² / L /.02 mm) Polyol & ISO Combined
Solids	Weight: Method 4041 78% ± 1% Fed. Std. 141 Volume: 75% ± 1%
V.O.C.	N/A
Flash Point	ASTM D-56 (Tag Closed Cup) Polyol -4 °F (20 °C) Part B -4 °F (20 °C)
Storage Stability	Polyol and ISO One year at 50 to 80 °F (10 to 27 °C)
Thinner	GacoFlex T-5110 for brush, roller or spray

F. APPLICATION

PROPERTY	VALUE						
Primer	Polyurethane Foam Insulation No primer necessary Wood No primer necessary Concrete GacoFlex E-5691 Metals including copper GacoFlex E-5320						
Mixing Instructions	<u>WARNING: UB-64C Series components cannot be combined with U-66 Series components.</u> GacoFlex 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 <u>Gaco SG-URETHANE</u> for typical equipment recommendations. 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 GacoFlex 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).						
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UB-6407, UB-6421C	45 Minutes	Spray or Roll					
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-6407C, UB-6421: 2 hours at 70 °F (21 °C)						

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