



Product Data Sheet:

GacoFlex™ UA7090

Revised: 07/2020

GACOFLEX™ UA7090 CLEAR ALIPHATIC POLYURETHANE COATING

A. DESCRIPTION

GacoFlex UA7090 is a soil resistant, color retentive, weatherable, two-component, thermosetting aliphatic polyurethane coating.

B. RECOMMENDED USE

Intended for use in areas requiring outstanding color retention and resistance to weather, soil, abrasion, oils, cleaning compounds and water. Normally used as a final coat in systems requiring outstanding gloss, non-yellowing properties and water immersion and abrasion resistance

C. PACKAGED PRODUCT DATA

PROPERTY	DESCRIPTION
Coverage	994 ft ² / gal / mil (24.4 m ² / L / 0.02 mm)
Color	Crystal Clear
Solids	Weight: 62 ± 0.5% Method 4041 Volume: 62 ± 0.5% Fed Std. 141
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 SDS for more information.
Flash Point	ASTM D56 Part A -4 °F (-20 °C) TCC Part B -4 °F (-20 °C) TCC
Adhesion	Has good adhesion to wood, masonry and other Gaco Western products. See below for primer recommendations on metal surfaces.
Storage Stability	When stored in original factory sealed containers at 50 °F - 80 °F (10 °C - 27 °C): Polyol (Component A): 2 years from date of manufacture Iso (Component B): 1 year from date of manufacture
Thinner	Consult Gaco sales representative

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

D. TYPICAL PROPERTIES

PROPERTY	ASTM TEST	STANDARD (MIN)	
Weatherability	Color retention, gloss retention, water resistance and durability are all outstanding.		
Chemical Resistance	Excellent for most chemicals. Good resistance to strong alkalis.		
Tensile	ASTM D412	Change in % after exposure EMMAQUA, ASTM G90-94 309 days @ 86°F (30°C)	
	Strength:	7,500 psi Min (51.71 MPa)	-31 %
	Elongation:	325% Min.	23 %
	Permanent Set at Break:	10% Max.	
Hardness	ASTM D-2240	50 ± 3 Shore D	
Tear Resistance	ASTM D-624 Die C lb / in	600 pli Min. (107.1 kg (f) / cm)	-20%
Water Absorption.	ASTM D-4717 Days R.T.	2.0% Max.	
Water Vapor Permeability	ASTM E-96 Method B, 100% Difference at 73°F (23°C).	0.02 Perm Inches	
Flammability	Class A per ASTM E-84 over cement board.		

E. PROCESS STANDARD

	STEP	DESCRIPTION
1.	Primer	None required for wood or masonry. Normally used as a clear coat over other decorative finish systems.
2.	Mixing	Stir Part Check both polyol (Part A) and isocyanate (Part B) to make sure they are homogeneous and uncontaminated. Combine one volume of Part A with one volume of Part B. Mix thoroughly. Power mixing is mandatory for quantities over 2 gal (7.6 L).
3.	Pot Life	20 min at 70 °F (21 °C).
4.	Application	Brush, roll or spray as mixed. Apply at 1 gal / 150-300 square feet (3.78 L / 13.9 to 27.9 m ²) for each coat. Use solvent supplied by Gaco Western for thinning and clean-up. Solvent from other sources may be contaminated with alcohol and will stop the cure of GacoFlex UA7090. See Gaco Western General Instruction GW-3-1 for safety and storage and SG-URETHANE for spraying instruction.
5.	Curing	Applied coating will set to touch in 20-30 min and can be used for light foot traffic after 48 hours cure. For vehicle traffic, an additional 24 hours is necessary. 96 hours at 70 °F (21 °C) is required to achieve good chemical and solvent resistance.