

Gaco Western

S I N C E 1 9 5 5

Product Data Sheet:

GacoFlex UA-7090

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Supersedes 12/06

GACOFLEX[®] UA-7090 CLEAR ALIPHATIC POLYURETHANE COATING

DESCRIPTION:	GacoFlex UA-7090 is a soil resistant, color retentive, weatherable, two component, thermosetting aliphatic polyurethane coating.
USAGE:	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.
CONSISTENCY:	Both components are free flowing water white fluids.
STANDARD COLOR:	Crystal Clear.

APPLIED PRODUCT DATA

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 D-412		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-471 7 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.		

The physical property test values listed above represent data from samples prepared under controlled conditions. Materials from job site locations will have equal values if test samples are similarly prepared.



PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil	994 (24.4 m ² /L/.02mm)	
SOLIDS:	Weight:	Method 4041 Fed Std. 141	62 ± 0.5%
	Volume:		62 ± 0.5%
V.O.C.:	Volatile organic compounds are controlled to 49 grams per liter A and B combined. SCAQMD compliant.		
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.		
FLASH POINT:	ASTM D-56	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:	In original factory sealed containers: One year at 50° to 80°F (10°C to 27°C).		
THINNER:	Consult Gaco Western.		

APPLICATION

PRIMER:	None required for wood or masonry. Normally used as a clear coat over other decorative finish systems.
MIXING:	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 two gallons (7.6 L).
POT LIFE:	One to two hours at 70°F (21°C).
APPLICATION:	Brush, roll or spray as mixed. Apply at one gallon per 150 to 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 UA-7090. See Gaco Western General Instruction GW-3-1 for safety and storage and SG-URETHANE for spraying instruction.
CURE:	Applied coating will set to touch in 20 to 30 minutes 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.

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

