

Product Data Sheet

Western Region
PO Box 88698
Seattle, WA 98138
1-800-456-4226

Central Region
PO Box 646
Waukesha, WI 53187
1-800-331-0196

U-62

November 2005
Supersedes 4/02

GACOFLEX U-62 **100% SOLIDS POLYURETHANE COATING**

- DESCRIPTION:** Gaco Western's U-62 is a zero V.O.C., 100% solids spray applied two component fire retarded liquid polyurethane rubber.
- USAGE:** Intended for use as a high build base and finish coat on mechanical room floors, walking and vehicular traffic decks and roofs where coatings require zero V.O.C.'s and no odors. U-62 is a tough, good weathering, solvent and wear resistance coating system. Suitable substrates include plywood, properly primed concrete or metal and sprayed in place polyurethane foam. When used as a base coat, U-62 must be recoated within 72 hours in order to achieve good top coat adhesion.
- RATINGS:** GacoFlex U-62 as specified in the GW-15-U62 polyurethane coating system conforms to the Americans with Disabilities Act (ADA) accessibility guidelines as published by the US Access Boards for static coefficient of friction recommendations.
- FLAMMABILITY:** ASTM E-108 (UL 790) Class A, over non-combustible substrates when applied in accordance with published specifications. Consult Gaco Western for recommendations.
- COLORS:** U-6216 Shale.

APPLIED PRODUCT DATA

- WEATHERABILITY:** Good. Loss of gloss and moderate color change is normal. Durability is excellent.
- CHEMICAL RESISTANCE:** Good hydrolytic stability to 180°F (82°C). Good resistance to inorganic bases, acids and hydrocarbon solvents, fair resistance to oxygenated and chlorinated solvents.
- Resistance to specific reagents per ASTM D-1308 Method 6.2 is as follows:
- | | |
|-----------------------------|------------------|
| Gasoline | No effect. |
| Motor Oil | No effect. |
| Antifreeze | No effect. |
| Automatic Transmission Fuel | No effect. |
| Brake Fluid | Slight swelling. |
- ABRASION RESISTANCE:** ASTM D-4060 Taber wear test
4 mg loss / 1000 cycles

*Waterproofing our World, from NASA to your Neighborhood.
Gaco Western has you Covered with Innovative Solutions.*

TENSILE:	ASTM D-412		Change in % after exposure ASTM D3137, Hydrolytic Stability <u>6 months at 100°F (37.8°C)</u>
	Strength:	2250 psi (15.51 MPa)	- 5%
	Elongation:	250% ±25	36%
	Permanent Set At Break:	25% Max.	
HARDNESS:	ASTM D-2240	80 - 85 Shore A	
TEAR RESISTANCE:	ASTM D-624 Die C Lb./In. Min.	200+ (35.7+ kg / cm ²)	
COLD TEMPERATURE FLEXIBILITY:	ASTM D-3111	Pass 0.25 inch (.64 cm) mandrel at 20°F (-6.7°C).	
ADHESION:	ASTM D-903	20 Lbs./lineal inch (3.58 kg/cm), cohesive failure.	
	Adheres well to wood, neoprene, Hypalon coatings, acrylic coatings and Gaco Western primers. Primer is required for masonry, concrete and metal. See primer recommendations below for these and other surfaces. GacoFlex U-62 can be recoated when set to touch or as much as 72 hours between coats may be allowed, so long as the surface is clean and dry.		
WATER ABSORPTION:	ASTM D-471 Max. 96 Hours R.T. :		Less than 2.5%
WATER VAPOR PERMEABILITY:	ASTM E-96 Procedure B Max. 100% R. H. Difference at 70°F (21°C) 100% R.H. Difference at 100°F (38°C)		0.12 Perm Inches (3 mm) 0.10 Perm Inches (2.54 mm)
TOXICITY:	The isocyanate component contains polymeric MDI isocyanate that is toxic if heated in a confined area or inhaled as particulate matter. Consequently, an air supply respirator is required for spray application and containers of Iso should not be warmed above 120°F (49°C).		

PACKAGED PRODUCT DATA

COVERAGE:	Sq. Ft./Gal./Mil	1600 (39.3 m ² / L / .025 mm)
SOLIDS:	Weight: Method 4041 Fed. Std. 141	100%
	Volume:	100%
V.O.C.:	none	
FLASH POINT:	ASTM D-56 (Tag Closed Cup):	Above 200°F (93°C)
STORAGE STABILITY:	Polyol: Isocyanate:	One year at 40°F. to 100°F (4.4°F to 38°C). One year at 40°F. to 100°F (4.4°F to 38°C). Storage stability based on unopened containers.

APPLICATION

PRIMER:	Wood:	Self prime with a thin film of 4-6 mils.
	Concrete:	E-5481
	Metals including copper:	E-5320
APPLICATION:	Plural component hot spray. Refer to Gaco Western, Inc., General Instructions SG-U62 for spraying instructions.	
CURE:	Applied coating can be used for light traffic after 24 hours cure. For vehicular traffic, an additional 24 hours is necessary.	
RECOAT:	Can be recoated when dry to the touch. <u>Maximum recoat time is 72 hours.</u> Wipe with GacoFlex T-5110 thinner if the recoat interval exceeds 72 hours.	
NOTE:	See Gaco Western, Inc. General Instructions GW-3-1 or MSDS for safety and storage notes.	

BATCH MIX U-62

MIXING:	<p><u>WARNING: U-62 components cannot be cross mixed with other polyurethane coating components.</u> The polyol and isocyanate components must be premixed until there is a uniform color and consistency. Pre mix polyol (A side) until it displays consistent color. The Iso (B side) requires less mixing, however, when opening a sealed container the color shall be amber and free of any semi-cured film or build-up. If otherwise noted contact Gaco Western prior to use.</p> <p>Power mixing is essential. Insufficient mixing will result in undercured, defective coating. Equal volumes of polyol and iso components shall be mixed for a minimum of 4 minutes using a minimum 1/2" (12 mm) drill with round mud or squirrel cage type mixer. Insufficient mixing will result in tacky uncured defective membrane.</p>
THINNER:	<p>Thin U-62 up to 5% with T-5110, T-5135, T-5111 or T-5112 only. Thinning 2-5% generally provides adequate viscosity reduction and the V.O.C.'s will not exceed 50 grams per liter. CAUTION: The use of other thinners will alter the curing and affect the final properties of the membrane.</p>
POT LIFE:	<p>20 to 25 minutes at 70°F (21°C). At higher temperatures the pot life decreases considerably. If the containers are stored at 80°F (27°C) or above, the pot life will be 10-15 minutes. To increase the pot life store containers below 70°F (21°C) or thin as necessary.</p>
APPLICATION:	<p>Applied by roller, notch trowel or notch squeegee. Please contact Gaco Western's local representative for project approval of GacoFlex U-62 batch mix material.</p>