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GACO WESTERN

Product Data Sheet:

U-87

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Supersedes 03/09



GACOFLEX U-87 SERIES FAST SET POLYUREA HYBRID

- DESCRIPTION:** GacoFlex U-87 Series Fast Set Polyurea Hybrid is a low viscosity, fast curing, two-component, fire retarded waterproofing elastomer.
- USAGE:** For use as a fast curing high build protective coating over polyurethane foam insulation, metal roofing and other suitable substrates. May be used as a base coat with granule for vehicular and pedestrian decks.
- COLORS:** U-8782 Ivory.

APPLIED PRODUCT DATA

- TENSILE:** ASTM D-412
Strength: 2200 psi \pm 100 psi (15.17 \pm .69MPa)
Elongation: 225% \pm 25%
- HARDNESS:** ASTM D-2240 80 \pm 5 Shore A
- TEAR RESISTANCE:** ASTM D-624 Die C Lb/in 200 \pm 5 pli (35.7 \pm 0.9 kg(f)/cm)
- WATER ABSORPTION:** ASTM D-471 2.5% Maximum
7 days R.T.
- WATER VAPOR PERMEABILITY:** ASTM E-96 0.02 Perm Inches
Method B, 100% R.H. Difference at 73°F (23°C)
- CHEMICAL RESISTANCE:** Good resistance to salts, hydrocarbon solvents, acids and alkalis. Fair resistance to aromatic, oxygenated and chlorinated solvents. Good hydrolytic stability.
- FLAMMABILITY:** ASTM E-108 Class A.
- ADHESION:** Adheres well to polyurethane foam. Primer required for masonry, concrete and metal. See primer recommendations for these and other surfaces.
- WEATHERABILITY:** Excellent durability and chalk resistance.
- REFLECTANCE:** ASTM C-1549
U-8782 Ivory Initial Aged
0.57 0.45

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Gaco Western has you Covered with Innovative Solutions.*

EMITTANCE:	ASTM C-1371	Initial	Aged
	U-8782 Ivory	0.80	0.84

SOLAR REFLECTANCE INDEX:		Initial	Aged
	U-8782 Ivory	64.80	49.58

NOTE: GacoFlex U-87 Series coatings meet LEED Solar Reflectance Index (SRI) requirements and qualify for LEED certification points under the Sustainable Sites Category, Credit 7.2: Reduction of Heat Island Effect. U-8782 Ivory also meets the 3 year aged testing requirements for the California Energy Commission, Energy Efficiency Standards for Residential and Nonresidential Buildings Title 24, for Solar Reflectance and Thermal Emittance.

PACKAGED PRODUCT DATA

COVERAGE: Sq. Ft./Gal./Mil 1600 (39.3m²/ L / .02mm)

SOLIDS: 100% by weight
100% by volume

V.O.C. : Zero VOC.

FLASH POINT: Part A: >200°F (>93°C)
Part B: >200°F (>93°C)

STORAGE STABILITY: Part A: One year at 65°F to 90°F (18°C to 32°C)
Part B: Six Months at 65°F to 90°F (18°C to 32°C)

THINNER: Not recommended.

TOXICITY: Part B contains polymeric diisocyanate. High concentrations can occur in inadequately ventilated environments when this is sprayed, aerosolized or heated. In such cases, respiratory protection must be worn. Refer to MSDS for more information.

CURE: Coating will set in 30 seconds when applied to an insulated surface. Complete cure can take several hours depending on the ambient temperature.

CLEAN UP: Spray equipment may be cleaned with T-5112 thinner.

APPLICATION

Stirring may be required to ensure uniformity of the material, particularly if products have been stored at temperatures outside of the recommended range. (See storage stability information above.)

WARNING – U-87 COMPONENTS CANNOT BE CROSS-MIXED WITH OTHER POLYURETHANE COATING MATERIALS.

SPRAY RECOMMENDATIONS:

Apply with plural component airless equipment. GacoFlex U-87 can be applied up to 64 mils (1.62mm) in one pass. It is recommended to apply the full specified thickness in one application. See Gaco Western's Spray Guide SG-Fast Set Urethane for more information.