Gaco™

Product Data Sheet (PDS):

GacoFlex™ LM60AR
Revised: 03/2024

GACOFLEX™ LM60AR
LIQUID-APPLIED POLYURETHANE MEMBRANE
(ACID-RESISTANT)

A. PRODUCT DESCRIPTION:

GacoFlex LM60AR is a 100% solids liquid applied two component coating that cures into a water-resistant polyurethane elastomeric membrane.

LM60HAR is designed for application on horizontal and low slope surfaces, at the rate of at least four gallons per 100 ft² (15.14 L / 9.3 m²), to yield a 1/16 in (1.6 mm) thick membrane. LM60VAR is designed for the same application rate and yield on vertical surfaces.

B. RECOMMENDED USE:

Intended primarily for use as a high build waterproofing membrane over concrete, metal and plywood. This grade of LM60 can be used in areas with a pH ≥ 4.

C. PACKAGED PRODUCT DATA*:

PROPERTY	*DESCRIPTION*
COLOR	Black
CONSISTENCY	LM60HAR & LM60VAR are thixotropic. LM60HAR ranges between 25,000 to 40,000 centipoises at 75 °F (24 °C). LM60VAR ranges between 100,000 to 160,000 centipoises at 75 °F (24 °C).
PACKAGING	1 gal (3.8 L) and 5 gal (18.9 L) metal containers
APPLIED COVERAGE	Mil ft² per Gallon: 1600 (39.2 m² / L /.02 mm) Applied Coverage: 4 gal / 100 ft². (15.14 L / 9.3 m²) to yield 1/16 in (1.6 mm) thickness
SOLIDS	Volume: 100 %
V.O.C.	N/A
TOXICITY	GacoFlex LM60AR Part B is an isocyanate prepolymer. When mixed with the polyol side (Part A) use adequate ventilation, avoid breathing vapors or spray mist and prolonged or repeated contact with skin. When spraying use a particulate matter mask, an approved organic matter cartridge respirator or fresh air mask.
FLASH POINT	ASTM D56 (Closed Cup) Above 200 °F (93
ADHESION	Excellent adhesion to clean, dry, plywood and concrete. Primers may be required for other surfaces. See below for specific primer.
STORAGE STABILITY	Twelve (12) months @ 50 – 80 °F (10 – 27 °C)

D. APPLIED PRODUCT DATA:

PROPERTY	*TEST*	*RESULT*	
WEATHERABILITY	GacoFlex LM-60AR has excellent durability up to 150 °F (82 °C). LM-60AR must be top coated. LM-60AR will crack and become brittle in exterior applications if not protected.		
CHEMICAL RESISTANCE	Excellent resistance to water immersion, good salt and alkali resistance. Excellent hydrolytic stability up to 150 °F (66 °C).		
TENSILE	ASTM D412	Strength Elongation Permanent Set at Break	175 ± 10 psi (12 kg/m²) 300% ± 20 10% max
HARDNESS	ASTM D2240	Shore A	30 min @ 70 °F (21 °C)
ADHESION	ASTM C836	Peel Strength	11 lb/inch (avg)
TEAR RESISTANCE	ASTM D624 Die C	lb/in min.	30 (5.4 kg(f) / cm)
WATER ABSORPTION	ASTM D471	21 days R.T.	1% max
WATER VAPER PERMEABILITY	ASTM E96 Procedure BW	100 RH Difference	0.012 perm inches
LOW TEMPERATURE BRITTLENESS	ASTM D746	---	Pass @ -50 °F (-45 °C)

E. INSTALLATION INSTRUCTIONS:

STAGE	*DESCRIPTION*
PRIMING	Chose the appropriate primer per "GW-4-1 - PRIMER GUIDE".
MIXING	Stir the polyol side (Part A) to suspend any settled pigment. Completely empty the iso (Part B) container into the polyol side (Part A) and power mix for five minutes, scraping the pail side several times. Use a power mixer that will thoroughly agitate the mix (electric or compressed air powered). A Jiffy Mixer PS21 has been found to work well with LM60HAR or LM-0VAR. Combine fifteen volumes of polyol (Part A) with one volume of iso (Part B) for quantities less than four gallons. Power mixing is mandatory for quantities over two gallons. Extreme care is required to mix in materials on the side and bottom of the mixing container.
POT LIFE	One (1) hour at 70 – 80 °F (21 – 27 °C). Can be extended to three (3) hours by thinning with T5112 (up to 10 %).
APPLICATION	For best results, prime concrete surfaces with E5691. Use a 5/16 x 5/16 in V-notched trowel or notched squeegee for application to 60 mil (1.52 mm) thickness. LM-60HAR is self-leveling on horizontal surfaces. LM-60VAR must be flat troweled to a smooth finish since it will not self-level. Contact Gaco for spray application information. Refer to specification for protection course or covering requirements. Use caution when backfilling or covering to avoid damage to the polyurethane membrane. ***WARNING*** – LM60AR in direct contact with aged or new SBS and EPDM sheet membranes could cause swelling and deterioration through time due to the strong solvency of the process oil in LM60AR.

** For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product & published on Gaco.com.*