



LUCAS Professional Coatings, Sealants & Adhesives

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#4700 MODIFIED URETHANE LIQUID WATERPROOFING MEMBRANE

PURPOSE

Lucas #4700 Modified Urethane Liquid Waterproofing Membrane is a high solids, solvent free, moisture cure coating for below grade foundation walls. #4700 may be applied to concrete and masonry surfaces to provide a seamless waterproof membrane. This product contains no water, solvents or economizing extenders such as asphalt or coal tar.

APPLICATION

Mechanically mix prior to application. Surface to be coated must be free of dirt or corrosion particles but may be damp. Clean the substrate with Lucas #115 Universal Wash if necessary prior to application. Thoroughly rinse the substrate after cleaning to remove all detergent.

For application to foundation walls, all seams and penetrations should be sealed with Lucas #4400 or #9600 modified polyurethane sealants. Allow 2 to 4 hours before coating over sealants. Embed 12" polyester reinforcement fabric on all inside and outside corners, apply Lucas #4700 at 1.5 gallons per 100 square feet and immediately embed fabric. Dry brush the fabric smooth. Apply an additional 1.5 gallons of #4700 on top of the fabric to fully encapsulate it. Apply basecoat of #4700 at a rate of 2 gallons per 100 sq. ft. Allow coating to cure, typically 2 to 4 hours, then apply second coat at the rate of 2 gallons per 100 sq. ft. For best results, apply coating in a multi-directional fashion. Use #4700 as it comes from the container, no thinning is necessary with this product. Apply by brush or roller. The finished film will be approximately 60 mils thick. #4700 may be applied in 60, 90, and 120 mil systems.

For application to split slab applications, apply basecoat of #4700 at a rate of 4 gallons per 100 sq. ft. Immediately roll Tietex reinforcement fabric onto coating surface and dry brush smooth. Allow coating to cure until foot traffic leaves no impressions, typically 1 to 2 days, then apply second coat at the rate of 4 gallons per 100 sq. ft. Cure time of second coat is typically 2 to 3 days. For best results, apply coating in a multi-directional fashion. Use #4700 as it comes from the container, no thinning is necessary with this product. Apply by brush or roller. The finished film will be approximately 120 mils thick.

This product cures through absorption of moisture from both the substrate and the air. Avoid entraining air when mixing. Cure time will be faster in humid conditions and on substrates that hold moisture such as concrete. Open and partially full containers will skin over quickly. If this occurs, remove the skin and continue using the remaining product.

The above application information is a summary for reference only. Please read the appropriate Lucas Guide Specification for the application of this product before quoting or starting any project. The Guide Specification and warranty information are available from techsupport@rmlucas.com

Clean up: Clean up with Lucas #125 Safe Solve™.

Shelf life: One year from the date of manufacture. Store in a cool dry place. High temperatures and high humidity during storage will shorten the product's shelf life.

#4700 SPECIFICATIONS

Viscosity	ASTM D 2196	100,000 cps
Solids by Weight	ASTM D 1644	98%
Solids by Volume	ASTM D 2697	97%
Weight Per Gallon	ASTM D 1475	11.9 lbs.
Wet Film Per Gallon	ASTM D4414	16 mils
Dry Film Per Gallon	SSPC-PA 2	15.5 mils
Hardness – Shore A	ASTM C 661	65
Permeability	ASTM E 96	0.67 perms
Water Vapor Trans.	ASTM E 96	0.273 gr/h-ft2
Tensile Strength	ASTM D 2370	450 psi
Elongation	ASTM D 2370	420%
Skin Time	ASTM C 679	30 Minutes
Tack Free	ASTM C 679	2 Hours
Flash Point	ASTM D56	None
VOC	EPA 24	8 g/l

Properties +/- 5%

Container Sizes: 5 gallon

Colors: Gray

CAUTION: Do not take internally. If swallowed, do not induce vomiting. Keep out of reach of children. Read SDS prior to use.

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Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of ONE YEAR from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. LIMITATION OF LIABILITY: In the event of a defect or failure falling under this warranty, Buyers sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental or consequential damages, whether based on contract, tort (including negligence) or any other legal theory.

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