

EXTERIOR ELASTOMERIC WALL COATING FOR WATERPROOFING

Product Description

WALL-LOK™ Waterproofing Coating System is a premium acrylic fluid-applied, exterior elastomeric wall coating and waterproofing system which assists in preventing structural damage to the envelope of the building.

WALL-LOK™ Waterproofing Coating System forms a durable, tough film that provides a waterproof barrier to any exterior surface when used in conjunction with **Thermo-Caulk™** and **Thermo-Prime™ Acrylic Roof Primer**.

WALL-LOK™ Waterproofing Coating System contains reflective material that shields the building from harmful UV rays and emmissivity, thereby reducing the buildings cooling cost resulting in significant energy savings.

- UV resistance
- Custom colors available
- Superior exterior durability
- Stops water penetration from exterior
- Excellent adhesion to brick, concrete & masonry

Product Characteristics:

Standard Colors:	White, Light Gray, Tan Custom colors manufactured upon request. Limitations apply.	
Sheen	Flat	
Radiative Properties:	Solar Reflectance - Initial:	0.86
	Solar Reflectance - Aged:	0.76
	Thermal Emmitance - Initial:	0.90
	Thermal Emmitance - Aged:	0.91
Solar Reflective Index:	SRI - Initial:	109
	SRI - Aged:	95
Environmental Statement:	Complies with U.S. Federal Regulations concerning use of lead and/or mercury in paint	
Thinning:	Do not thin. Thinning will adversely affect application and product performance.	
Recommended Wet Film Per Coat:	16 to 24 mils	
Recommended Dry Film Per Coat:	8.8 to 13.2 mils	
Spread Rate:	Apply at a rate of 75 to 100 square feet per U.S. gallon per coat.	
Drying Time @ 77°F/ 50% R.h.:	To touch: 2 hours	To recoat: 6 hours

Application Equipment

WALL-LOK™ may be applied by medium nap rollers, brushes, or by conventional or airless spray equipment. Airless spray application is most efficient whereas rolling or brushing may be best for touch-up, flashing and edge terminations or to fill voids, pinholes, holidays or cracks. Brush: Synthetic filament. Roller: 1¼" nap. Airless Spray: Equipment capable of maintaining a minimum of 0.027" or greater orifice tips with 2,300 PSI at the tip. Filter screens should be thirty-mesh or larger.

Contact Lapolla Industries Technical Service personnel for specific recommendations, pricing and availability of spray and auxiliary equipment.

Properties	Test Method/ Requirements	Value
Percent Solids by Weight:	ASTM D 1644	71% ±3%
Percent Solids by Volume:	ASTM D 2697	56% ±3%
Viscosity:	ASTM D 562	110 KU ± 10 KU
VOC:	0.17 lbs/gal (20.2 g/l)	
Flash Point:	None	
Tensile Strength/ Elongation at Break:	ASTM D 2370	-Tensile Strength @ 73°F: 312psi
		-Elongation @ 73°F: 224%
		-Elongation @ 73°F after 1000 Hours Accelerated Weathering: 167%
Permeance:	ASTM D 1653	24 PERMS @ 20 DRY MILS, 73.4°F/50% RH, Inverted
Water Swelling:	ASTM D 471	15%
Wet Adhesion:	ASTM C 794/D 903	- Galvanized Metal: 7.1 pli
		- Concrete: 9.2 pli
		- EPDM: 3.2 pli
		- SBS Granule: 7.4 pli
Tear Resistance	ASTM D 624	(DIE C): 74.3 LBF/IN
Fungi Resistance Rating:	ASTM G 21	0
Low Temperature Flex, 1/2" Mandrel, -15°F after 1000 Hours Accelerated Weathering:	ASTM D 522	PASS
Appearance After 2000 Hours Accelerated Weathering:	ASTM D 4798	PASS

Credentials

- Underwriters Laboratories Inc. (UL 790) Approved

Surface Preparation & Priming

All surfaces must be clean, dry, and sound; free of loose and peeling coatings, grease, oil, efflorescence, curing agents, form release agents, dirt, mildew, and other detrimental foreign matter that will adversely affect adhesion and product performance.

When appropriate, pressure-wash the substrate to remove surface contaminants. Power-broom, vacuum, air-blast, or use other methods to prepare the substrate further. Ensure removal of all mildew and other organic growth.

REFER TO GUIDE SPEC FOR SPECIFIC SURFACE PREPARATION & PRIMING



WATERPROOFING RESTORATION COATING SYSTEM

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Thoroughly rinse with clean water. If loose mill scale, or more severe corrosion is present, prepare according to Hand Tool Cleaning SSPC-SP2 or Power Tool Cleaning SSPC-SP3. Prime corrosion with **RCS 30** 100% Acrylic Rust-Inhibitive Metal Primer. **Concrete:** Allow new concrete to cure for 30 days. The pH of the substrate should be less than 9 before coating. Very dense, nonporous, or chemically treated concrete may require etching or abrasive blasting to promote adhesion. The use of **Thermo-Prime™ Clear** is a requirement for all concrete, brick, CMU block and stucco surfaces. Please refer to the Guide Spec for all information. Note: Do not apply **WALL-LOK™** to lightweight insulating concrete. **Existing Coatings:** **WALL-LOK™** is compatible with acrylic, urethane, and various other roof coatings. **Note:** Do not use **WALL-LOK™** on Silicone or Aluminized Coatings. Contact Lapolla Industries, Inc. for use on non-listed coatings.

Application Guidelines

WALL-LOK™ requires complete evaporation of water to cure. Lower temperatures and higher humidity prolong drying and cure time.

Apply only when air, surface, and product temperatures are above 50°F and the substrate is at least 5°F above the dew point. Do not apply when temperatures may drop below 50°F within 24 hours after application. Avoid application late in the day when dew or condensation is likely to form or when rain is expected.

It is recommended that **WALL-LOK™** be sprayed in multiple coats applied in multi-directional (north-south, east-west) passes to ensure uniform film build. Backrolling sprayed material may be necessary to fill pinholes in sub-strate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters.

Apply in a minimum of 2 coats with each coat at a maximum rate of 0.75 gallons per 100 square feet, for a total minimum coating rate of 3 gallons per 100 square feet. Additional coats of 0.75-1.0 gallons maximum per 100 square feet may be applied to obtain the desired final thickness of coating. The minimum allowable dry mil thickness shall be no less than 24 mils.

Product Handling

Some separation may occur during shipment and storage, therefore the contents of each container should be thoroughly power mixed for ten (10) to fifteen (15) minutes before application. Product should never be thinned. **WALL-LOK™** is a water-based elastomeric acrylic coating which will freeze and become unusable at temperatures below 32°F.

PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE.

Do not store material at temperatures below 50°F.

SHELF LIFE: One year from manufactured date when stored properly.

Packaging

U.S. MEASURES: 5-gal. pails, 55-gal. drums & 275-gal. totes.

WEIGHT PER U.S. GALLON: 11.65 lbs.

Application Guidelines

Do not use on surfaces demonstrating hydrostatic or high vapor pressure. This product is not intended for use in areas where ponding water may be present. Ponding water issues must be eliminated prior to the application of this coating.

General Health & Safety Precautions

This product is intended for use by trained professional personnel. Safety Data Sheets are available and any individual who may come in contact with these products should read and understand the S.D.S. In case of emergency contact **CARECHEM EMERGENCY NUMBER at (866) 928-0789.**

WARNING: Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

EYE PROTECTION: Safety glasses, goggles or a face shield are recommended. **SKIN PROTECTION:** Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing. **RESPIRATORY PROTECTION is MANDATORY!** Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Lapolla for a copy of the Respiratory Protection Program developed by OSHA. **INGESTION:** Do not take internally. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

DISCLAIMERS

The data presented herein is not intended for use by non-professional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer. All guarantees and warranties as to products supplied by Lapolla Industries Inc., shall have only those guarantees and warranties expressed in writing by the manufacturer. The buyer's sole remedy as to any material claims will be against the applicator of the product. The aforementioned data on this product is to be used as a guide and is subject to change without notice. The information herein is believed to be reliable, but unknown risks may be present.

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