

Acrylic Concrete Coatings Systems

Technical Data Bulletin



Hydro-Lok XP™ Waterproof Masonry Coating

PRODUCT DESCRIPTION

Rainguard *HYDRO-LOK XP* is a premium quality, high build, 100% water-based silicone waterproof masonry coating that provides long lasting and flexible waterproof coating for exterior surfaces with two high build coats of the product. Hydro-Lok XP provides excellent recovery strength that ensures the coating will move and flex with the thermal changes of the masonry surface and will not rupture or crack.

HYDRO-LOK XP is vapor permeable yet resists the effects of wind driven rain. Restores and beautifies damaged masonry surfaces and unifies color and texture on new surfaces. Recommended for application to new or existing vertical masonry surfaces such as block, brick, stucco, cement, concrete as well as wood and EFIS surfaces. *HYDRO-LOK XP* is quick drying with excellent adhesion and hide.

PRODUCT FEATURES

1. Covers in one less coat - No primer needed
2. Resists wind driven rain in two coats
3. 350% elongation
4. Full range of colors and textures available
5. Low VOC/Low Odor
6. Holds color
7. Great for high mold & mildew environments
8. High UV resistance
9. Excellent adhesion when used as a system
10. May be applied at 35°F and rising
11. Warranted up to 10 years labor and material

TEST DATA

Low Temp Flex	ASTM C-734	Passed - 180° bend @ 0° F
Tensile Strength	ASTM D-2370	260 PSI
Water Vapor Trans	ASTM-E-96	Breath @ 20 mils Dry
Wind Driven Rain	ASTM D6904-03	98 mph Wind Driven
Water Repellency	ASTM C67-80A	97% Effective

Warranty Period: 5 and 10 years

CSI Reference: Division 9

Part Numbers (5 Gallon Size):

		USA	International
Smooth Texture	Pastel	HL-0105	HL-0105-CA
	Deep	HL-0125	HL-0125-CA
	Accent	HL-0115	HL-0125-CA
Fine Texture	Pastel	HL-0205	HL-0205-CA
	Deep	HL-0225	HL-0225-CA
	Accent	HL-0215	HL-0215-CA
Medium Texture	Pastel	HL-0305	HL-0305-CA
	Deep	HL-0325	HL-0325-CA
	Accent	HL-0315	HL-0315-CA
Coarse Texture	Pastel	HL-0405	HL-0405-CA
	Deep	HL-0425	HL-0425-CA
	Accent	HL-0415	HL-0425-CA

TECHNICAL DATA

Material Type	Silicone and Acrylic Blend
Solids by Volume	Approximately 47.0%
Solids by Weight	Approximately 62.0%
Odor	Similar to latex Paints
Application Temp Range	35° to 90°F
V.O.C.	<55 g/L V.O.C. Compliant
Flash Point	Non-Flammable
pH Value	Apply at up to 13
Weight	Approximately 12.2 lbs./gal.
Surface Dry (Touch)	Approx 2 hrs. @ 75°F
Surface Dry (Recoat)	Approx 4 hrs. @ 75°F
Full Chemical Cure	3-4 weeks

COVERAGE RATES (THEORETICAL):

Substrate	Sq Ft/ Gallon
New Surfaces	
Porous (16-22 mils wet)	70-100
Dense (14-18 mils wet)	90-115
Repaint	
All Surfaces (12-16 mils wet)	100-120

Special Considerations:

- Use of fluted or scored block or raked joints will increase surface areas by 20%-30% or more and decrease coverage rates. Allow for this increased surface area when determining material requirements.
- Extremely porous surfaces may require multiple coats.
- Can be applied up to 40 mils wet.

Manufactured by:

Rainguard International

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HOW TO USE

Vertical Surfaces:

Moisture content of surfaces shall be less than 15% moisture as measured with an electronic moisture meter. New concrete and masonry construction shall be allowed to cure for 10 days to neutralize alkalinity and release residual moisture. All surfaces shall be structurally sound, clean and free of dirt, grime, efflorescence, lime run, construction debris, form oils and release agents, chalked materials, loose and peeling paint, mold and mildew or other surface contaminants, etc.

Wood: Properly clean and prepare wood surfaces. Pre-treat knots with stain blocking primer material. Prime surfaces with Rainguard *PLUGGER 25*TM.

Metal: Etch or otherwise clean metal surfaces and prime with appropriate primer.

Previously Painted Surfaces: Remove chalk, grime, loose and peeling paint and other contaminants. Repair surface and mortar joint defects. Allow patching materials to cure prior to application of the first coat. Rainguard *HYDRO-LOK XP*TM textured products are best and most economically applied using a pump designed to spray textured materials. *HYDRO-LOK XP* Smooth products are best applied using a with airless spray equipment with minimum 1.0 GPM capacity. Refer to equipment manufacturer for best tip size.

HYDRO-LOK XP is supplied ready to use. Mix contents thoroughly prior to application. If material becomes too heavy to spray, thin with up to 1 quart of water per 5 gallons of material. To prevent skinning, cover pail with a damp cloth. Apply materials to properly prepared and primed surfaces. Apply *HYDRO-LOK XP* to surfaces at the recommended coverage rates depending on surface type and porosity.

Spray Application: Spray apply *HYDRO-LOK XP* to surfaces using a crosshatch spray pattern. Back-roll materials into surface to create a uniform and pinhole free surface film.

Roller: Apply 2 coats to surfaces at the recommend coverage rate for each coat to create a uniform and pinhole free surface. Re-coat in approximately 4 hours.

TEST PANEL:

Always apply material to a mock wall or test panel, test wall or actual surface area to determine acceptable color, surface porosity, application rates and methods before starting general application.

PRECAUTIONS & LIMITATIONS

Do not apply to surfaces if moisture content is greater than 15% as measured with an electronic moisture meter. Do not apply materials in climates where freezing temperatures have existed prior to application, allow adequate time for surfaces to thaw. Establish that air, surface and material temperatures are above 35°F (2°C) and at least 5°F above the dew point prior to painting. Do not apply at temperatures below 35°F or when temperatures are expected to drop below 35°F within 48 hours of application. Do not apply if rain, snow or lower temperatures are expected within 48 hours. Do not apply if relative humidity is greater than 80%.

Use material in a well ventilated area. Protect the work of other trades. Protect shrubbery and other plants with drop cloths. Protect automobiles and all other property from over-spray. Mask and protect all areas not to be coated.

Store materials in a well-protected area between 45° and 90°F. Avoid freezing temperatures, direct sunlight and moisture. Keep away from heat sources. Not for use below grade. Will not withstand hydrostatic pressure.

LIMITED WARRANTY PROCEDURES/INFORMATION

The information contained herein is offered in good faith and is believed to be accurate. To be eligible for a Rainguard Warranty the following must occur:

1. A site visit must be conducted by an employee or agent of Rainguard and a Field Inspection Report completed.
2. A Warranty Application must be completed fully by the applicator.
3. Field Inspection Report, Warranty Application and a copy of the distributor's invoice must be submitted to and approved by Rainguard.

This material is only warranted when applied in accordance with the manufacturers guidelines and warranty procedures. Without adherence to these specific guidelines, no expressed or implied warranty of this product is given. Please contact Rainguard for additional information.

Five Year Material and Labor

Apply two coats of *Hydro-Lok XP* at recommended coverage rates depending on surface type. A total dry thickness of 12-16 mils is required. Follow manufacturer's instructions and recommendations for use. New porous block will require one coat of *TEC-SEAL II*TM Blok Filler prior to system application.

Ten Year Material and Labor

Apply a first coat of Rainguard *SURFACE-SEAL II*TM to (new) masonry surfaces or *PLUGGER 25* to previously painted masonry or any wood surfaces. Then apply two coats of *HYDRO-LOK XP* at recommended coverage rates depending on surface type. A total dry thickness of 12-16 mils is required. Follow manufacturer's instructions and recommendations for use. New porous block will require one coat of *TEC-SEAL II* Blok Filler prior to system application.



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