

Acrylic Concrete Coatings Systems

Technical Data Bulletin



Hydro-Lok PH+™ Acrylic Masonry Coating

PRODUCT DESCRIPTION

Rainguard *HYDRO-LOK PH+* Acrylic Masonry Coating is engineered to provide long term durability and protection over all types of masonry surfaces. *HYDRO-LOK PH+* resists alkali and contains agents which inhibit the growth of mildew on the coating's surface. Use *HYDRO-LOK PH+* over concrete, masonry block, brick, stucco to provide a weather resistant finish in a wide range of colors.

HYDRO-LOK PH+ can be applied over concrete with a surface PH of up to 13 without efflorescence problems. This breathable paint film also resists chalking and fading and has a high elasticity to bridge hairline cracks. *HYDRO-LOK PH+* is environmentally friendly with a low VOC and low odor formulation. *HYDRO-LOK PH+* also meets and exceeds any low VOC regulations such as SCAQMD or OTC.

PRODUCT FEATURES

1. Apply over concrete with PH up to 13
2. Withstands extreme sun, heat, salt air and rain
3. Resistant to mold and mildew on the film surface
4. Low VOC/Low Odor
5. Wide range of colors
6. Excellent color retention
7. Resists chalking and fading
8. Quick dry and recoat times
9. May be applied at 35°F and rising
10. Warranted up to 10 years labor and material

TEST DATA

Dynamic Elongation	ASTM D-2370	180%
Mildew Resist	ASTM D-3273/3274	Passed—No Growth
Wind Driven Rain	ASTM D6904	98 mph Wind Driven
Federal Specification	TT-C-555B	Passed—No Water Absorption
Salt Spray	ASTM B117	500 Hours -No Change
Water Vapor Trans	ASTM D-1653	11.9 Perms

Warranty Period:	5, 10 Years		
CSI Reference:	Division 9		
Part Numbers:	<u>USA</u>	<u>International</u>	
One Gallon	White Base PH-0101	PH-0101-CA	PH-0101-CA
	Deep Base PH-0111	PH-0111-CA	PH-0111-CA
Five Gallon	Pastel Base PH-0105	PH-0105-CA	PH-0105-CA
	Deep Base PH-0115	PH-0115-CA	PH-0115-CA

TECHNICAL DATA

Material Type	Silicone and Acrylic Blend
Solids by Volume	Approximately 45.0%
Solids by Weight	Approximately 59.0%
Odor	Similar to Latex Paints
Application Temp Range	35° to 105°F
V.O.C.	<50 g/L V.O.C. Compliant
Flash Point	Non-Flammable
Finish	Flat, Smooth
Weight	Approximately 11.5 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):

<u>Substrate</u>	<u>Sq Ft/ Gallon</u>
Porous Surfaces (10 mils wet)	160-200
Dense Surfaces (8 mils wet)	200-250

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.

Manufactured by:

Rainguard International

1079 Culpepper Drive, Conyers GA 30094

1-866-989-5159

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HOW TO USE

Surface Preparation:

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 5 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. Glossy surfaces should be sanded to a dull sheen. Gaps between windows, doors, cracks etc. should be properly filled and cured prior to coating application.

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 primers.

Primer Recommendation:

Porous Block Surfaces: 1 coat of *TEC-SEAL II™* Block filler, 2 coats of *HYDRO-LOK PH+™*

Dense Concrete Surfaces: 1 coat of *SURFACE SEAL I™* OR *SURFACE-SEAL II™* followed by 2 coats of *HYDRO-LOK PH+*

HYDRO-LOK PH+ 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 PH+* to surfaces at the recommended coverage rates depending on surface type and porosity.

Spray Application: Rainguard *HYDRO-LOK PH+* products are best and most economically applied using airless spray equipment. Product should be sprayed at 2000-2700psi and with a .021" tip. Spray apply *HYDRO-LOK PH+* 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.



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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.

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.

Up to Five Year Material and Labor

Apply a first coat of Rainguard *SURFACE-SEAL I* to (new) masonry surfaces or *PLUGGER 10™* to previously painted masonry or any wood surfaces. Then apply two coats of *HYDRO-LOK PH+* at recommended coverage rates depending on surface type. 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.

Up to Ten Year Material and Labor

Apply a first coat of Rainguard *SURFACE-SEAL II* to (new) masonry surfaces or *PLUGGER 25™* to previously painted masonry or any wood surfaces. Then apply two coats of *HYDRO-LOK PH+* at recommended

coverage rates depending on surface type. 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.

