

Water Repellents And Curing Aids

Technical Data Bulletin



Floor-Lok™ Sealer

Concentrate with Micro-Lok™

**CURES, SEALS, HARDENS AND DUSTPROOFS
CONCRETE**

PRODUCT DESCRIPTION

Rainguard FLOOR-LOK SEALER CONCENTRATE with MICRO-LOK is a water based clear silane/siloxane that will aid in curing, sealing, hardening and dustproofing interior and exterior horizontal surfaces including:

- Concrete Floors
- Parking Structures
- Concrete Decks
- Building Ramps
- Sidewalks
- Lightweight Concrete Floors
- Oil, Gas and Brake Fluid Repellent, etc.

FLOOR-LOK SEALER CONCENTRATE must be diluted with 10 parts clean water with 1 part concentrate prior to application.

Warranty:	5 Years	
CSI Reference:	Division 3 and 4	
Part Number:	<u>USA</u>	<u>International</u>
1 Gallon	CR-1600	CR-1600-CA

RECOMMENDED USES:

FLOOR-LOK is recommended for use on interior and exterior horizontal concrete surfaces that are freshly poured. FLOOR-LOK can also be used on aged concrete.

FLOOR-LOK protects surfaces from damage caused by water intrusion and seepage, chloride ion intrusion, cracking caused by freeze/thaw cycles, spalling, scaling and helps prevent efflorescence and lime run.

Floor-Lok complies with most federal agencies and is USDA approved. FLOOR-LOK is composed of high quality chemical solids, blended to create a clear, deep penetrating and non-film forming chemically reactive masonry water repellent that contains no silicone oils, paraffin wax or urethanes. Will not yellow.

COVERAGE RATES (THEORETICAL) SQUARE FEET PER GALLON:

	Rough Finish	Finely Textured	Troweled
Fresh Concrete	300	400	500
Newly Cured	200	300	400
Bare Concrete	200	300	400
Aged Concrete	150	200	250
Vertical Substrates	N/R	200	300
Dustproofing Concrete	N/R	300	500
Floors to be Tiled	N/R	N/R	500
Lightweight Concrete	200	225	275

Notes: Multiple coats may be applied. Each succeeding coat will increase coverage rates. In winter applications the use of temporary heating sources may result in a 20% reduction of coverage rates. Always test a section of the surface for compatibility before general application.

Manufactured by:

Rainguard International

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PRECAUTIONS & LIMITATIONS

All surfaces to be coated must be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar and mold and mildew, etc. Protect from freezing. If material freezes do not apply. Test for adhesion prior to applying flooring adhesives.

DILUTE THIS MATERIAL USING CLEAN WATER AT A RATIO OF 10 PARTS WATER TO 1 PART CONCENTRATE.

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 application. 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 areas not to be coated from over-spray. Remove overspray from any windows, automobiles, metal etc. as soon as possible should it occur. To prevent permanent staining, clean spills or leaks in a timely manner.

Store materials in a well-protected area between 45° and 90°F. Avoid freezing temperatures, direct sunlight and moisture. Keep away from heat sources

TEST PANEL:

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

FOLLOW THESE SIMPLE STEPS

1. **FLOOR-LOK SEALER CONCENTRATE** must be diluted with 10 parts clean water prior to application.

2. **FLOOR-LOK SEALER CONCENTRATE** is best applied by using a spray tip size of .035 to .051. Spray head should be held 8 to 12 inches from the surface.
3. One coat of material produces a light duty surface, however surface porosity and weatherability needs will be enhanced with additional coats. It is the responsibility of the applicator to properly regulate concrete hydration.
4. Material dries in less than one hour. Apply additional coats after prior coat is dried. Allow material to dry 2 hours before subjecting to heavy traffic.
5. If temperatures are in excess of 90°F or if humidity is less than 35% apply an additional coat of material.

RAINGUARD IS NOT RESPONSIBLE FOR SURFACE DEFECTS SUCH AS CRACKING, CARBONATION, OR POROUS FINISHES.

TECHNICAL DATA

Material Type	Silane/Siloxane
Active Solids Content	Approximately 20% after dilution
Color of Material	Slightly Cloudy
Odor	Slight Odor
V.O.C.	<15 g/L
Flash Point	Non-Flammable
pH Value	Approximately 11
Weight	Approximately 8.5 lbs./gal.
Surface Dry Time	Approx 1 Hour
Full Chemical Cure	7 to 10 Days
Paraffin, Oils, Waxes	None

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.



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