

# Floor-Lok™

## Sealer Concentrate

### TECHNICAL DATA SHEET



Cures, Seals, Hardens, and Dustproofs Concrete.

## Floor-Lok™ CSI Reference

|                                    |
|------------------------------------|
| 03 35 00 Concrete Finishing        |
| 07 19 00 Dampening / Waterproofing |
| 09 61/96 Finishes                  |
| 09 96 35 Finishes                  |

\*standard warranty period is 5 years

## 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

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.

It 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.

Additionally, it complies with most federal agencies and is USDA approved. It is composed of high quality chemical solids. The blend is a clear, deep penetrating, and non-film-forming, chemically reactive masonry water repellent.

## Features & Benefits

- Fast drying time, approximately 1 hour
- Oil, Gas, and Brake Fluid Repellent, etc.
- Meets ASTM C-309 spec for liquid membrane-forming compounds to cure concrete
- Contains no silicone oils, paraffin wax, or urethanes
- Does not yellow
- UV protectant
- Full chemical cure, 7 - 10 days

## Coverage Rate by Substrate (theoretical)

The coverage depends on the surface. Test the product on a small area of the substrate to estimate coverage. Extremely porous surfaces may require multiple coats. 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.

| Substrate             | Sq Ft/ Gallon |
|-----------------------|---------------|
| Fresh Concrete        | 300 - 500     |
| Newly Cured           | 200 - 400     |
| Bare Concrete         | 200 - 400     |
| Aged Concrete         | 150 - 250     |
| Vertical Substrates   | 200 - 300     |
| Dustproofing Concrete | 300 - 500     |
| Floors to be Tiled    | 300 - 500     |
| Lightweight Concrete  | 200 - 275     |

## Surface Preparation

Prior to application, all surface shall be clean and dry with no oils, dirt, debris, or minerals such as efflorescence, lime and calcium. These stains, along with others, will prevent proper penetration of Floor-Lok™ to sufficiently seal for the warranty period.

The use of Rainguard's Restore-N-Prep™ Concrete and Masonry Cleaner system is recommended as a pre-treatment to clean masonry surfaces. Once clean, allow the surface to fully dry before sealing or applying a top-coat (See the Restore-N-Prep™ TDS for details).

## Restore-N-Prep™ CSI Reference

|                            |
|----------------------------|
| 03 01 40 Concrete Finishes |
| 03 10 30 Concrete Finishes |
| 03 10 50 Concrete Finishes |
| 04 01 20 Unit Masonry      |
| 04 01 40 Unit Masonry      |



## Dilution

Floor-Lok™ Sealer Concentrate must be diluted with nine parts clean water with one part concentrate prior to application.

## Application Instructions

1. Floor-Lok™ Sealer Concentrate is best applied by using a spray tip size of 0.035 to 0.051. Spray head should be held 8 to 12 inches from the surface.
2. One coat of the material produces a light-duty surface. The surface durability and weatherability can be enhanced with additional coats. It is the responsibility of the applicator to properly regulate concrete hydration.
3. Material dries in less than one hour. Apply additional coats after the prior coat dries. Allow material to dry for 2 hours before opening the surface to heavy traffic.
4. If temperatures are in excess of 90°F or if the humidity is less than 35%, apply an additional coat of the product.

Rainguard is not responsible for surface defects such as cracking, carbonation, or porous finishes.

## Test Panel

Always apply Floor-Lok™ onto a mock floor or test panel. Test the floor or an actual surface area to determine acceptable application rates and methods before starting general application.

## Safe Handling

Use product only with adequate ventilation and/or an appropriate cartridge type respirator. Avoid contact with skin and wear protective gloves. Read the Safety Data Sheet before using.

## Precautions

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, mold and mildew, etc. Protect the product from freezing. If product freezes, do not apply. Test for adhesion prior to applying flooring adhesives. Do not apply to surfaces if moisture content is greater than 25% 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 40°F (4.4°C) and at least 5°F above the dew point prior to application. Do not apply at temperatures below 40°F or when temperatures are expected to drop below 40°F within 4 hours of application. Do not apply if rain, snow, or lower temperatures are expected within 4 hours. Do not apply if relative humidity is greater than 90%.

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 overspray. 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.



## Technical Data

|                       |                                  |
|-----------------------|----------------------------------|
| Material Type         | Silane/Siloxane                  |
| Active 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 7.5                |
| Weight                | Approximately 8.5 lbs./Gal.      |
| Surface Dry/Recoat    | Approximately 1 Hour             |
| Full Chemical Cure    | 7 to 10 days                     |
| Paraffin, Oils, Waxes | None                             |
| ASTM C-309            | Passed                           |

## Warranties

Rainguard Brands, LLC guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Rainguard Brands, LLC makes no other warranty, expressed or implied, and all warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product. Manufacturer shall not be liable for material used outside of its shelf life. For product dating, please refer to the batch number on the product or contact Rainguard Brands, LLC.

Surface conditions and application variables are out of the control of Rainguard Brands, LLC. As such, the applicator agrees to: Follow recommended application instructions, acknowledge limitations outlined in this technical data sheet, contact the manufacturer in the event there are any uncertainties, perform a test panel to confirm fit and finish before any general application. The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Rainguard Brands assumes no obligation or liability for use of this information. Contact manufacturer at 888-765-7070 before bidding to confirm warranty provisions and procedures.

**SELLER'S LIABILITY UNDER THE SALE OF THIS PRODUCT IS LIMITED TO REPLACING DEFECTIVE PRODUCT. HOWEVER, IF SELLERS FAILS IN ITS ATTEMPT TO REPLACE THE DEFECTIVE PRODUCT, BUYER WILL BE ENTITLED TO A REFUND OF MONIES PAID TO SELLER UNDER THIS PRODUCT WARRANTY. SELLER IS NOT LIABLE FOR BUYER'S LOSS OF PROFITS, BUSINESS GOODWILL, OR OTHER CONSEQUENTIAL DAMAGES, DESPITE ANY FAILURE TO REPLACE THE PRODUCT. BUYER HAS ACCEPTED THIS RESTRICTION ON ITS RIGHT TO RECOVER CONSEQUENTIAL DAMAGES AS PART OF ITS BARGAIN WITH SELLER. BUYER REALIZES AND ACKNOWLEDGES THAT THE PRICE OF THE PRODUCT WOULD BE HIGHER IF SELLER WERE REQUIRED TO BE RESPONSIBLE FOR BUYER'S CONSEQUENTIAL DAMAGES."**

© 2021 RAINGUARD BRANDS, LLC. All rights reserved.

[END]