

Plugger 25™ Sealer

with MICRO-LOK™

TECHNICAL DATA SHEET

High Performance Masonry and Wood Sealer.



Plugger 25™ CSI Reference

03 35 00 Concrete Finishing
04 2 00 Unit Masonry
04 40 00 Unit Masonry
07 19 00 Damping/ Waterproofing
09 24/25 Finishes

*standard warranty period is 5 years

Description

Rainguard Plugger 25™ Sealer clear is a high-performance modified silicone acrylic water repellent and sealer for application on painted and unpainted surfaces. Plugger 25™ White is 100% acrylic water repellent and sealer for a variety of surfaces. It may be used as a primer to seal previously painted or unpainted, concrete, stucco, or wood substrates. Dries clear semi-satin or white flat.

Recommended Uses:

- EIFS
- Brick
- Concrete
- Wood
- Wall Board
- Clay Roof Tiles
- Stucco
- Hot Stucco (up to 13 pH)
- Green Concrete
- Cement Plaster
- Aggregate Panels
- Slump Block
- Natural Stone
- Painted and Chalked Surfaces
- Split Face, Smooth, and Adobe Block

Features & Benefits

- Flexible and breathable
- Helps prevent efflorescence
- Protects wood from swelling, shrinking, or grain raising
- Seals and binds chalked surfaces and improves adhesion of top-coat materials
- May be applied to previously painted and properly prepared surfaces
- May be applied to concrete or stucco as a curing agent to promote hardening
- UV stable coating

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.

Substrate	Sq Ft/ Gallon
Dense Masonry	100 - 150
Porous Masonry	60 - 100
Stucco/ EFIS	150 - 200
Wood	175 - 200
Painted Surfaces	400

The use of fluted, scored block, raked joints, sandblasted or etched surfaces will result in greater absorption and lower coverage rates, by up to 40%. Test these areas for the expected coverage rate before general application. Allow for this increased surface area when determining material requirements.

Surface Preparation

Prior to application, all surfaces 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 Plugger 25™ Sealer 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



Application Instructions

Rainguard Plugger 25™ Sealer is supplied Ready-to-Use. DO NOT THIN. Mix thoroughly prior to use. Avoid application in windy weather. In hot weather, lightly dampen surfaces with clean fresh water to avoid premature or flash drying.

Porous Vertical Surfaces

Start first coat application at the top of the wall. Apply flood coat with a 6" to 8" rundown and back roll material into surface voids. Apply second coat when the first coat is dry.

Vertical Concrete Surfaces

Material may be applied as soon as the forms are removed. Surfaces shall be clean and free of form oils and release agents. Start first coat application at the top of the wall. Apply saturation coat and back roll materials. Apply second coat when the first coat is dry.

Horizontal Concrete Surfaces

Apply two saturation coats to fresh concrete for assistance in the curing and hardening of the concrete. Apply one saturation coat to existing concrete surfaces for dustproofing. Remove excess standing or ponding materials with a roller.

Brick

Apply one saturation coat with run-down and back roll material.

Stucco/Plaster

May be applied to stucco or plaster during the curing process or when fully cured. Apply one saturation coat and back roll materials. Apply second coat when the first coat is dry.

Chalked Surfaces

Apply one coat to chalked surfaces. Allow material to dry and check surface for chalking. Apply a second coat to surfaces as needed to control the remaining surface chalk.

Wood

Surfaces shall be clean and bare. Pre-treat knots with a small amount of material. Apply a minimum of two saturation coats to wood surfaces. Apply second coat when the first coat is dry.

Masonry and Concrete

All surfaces to be coated shall be structurally sound, clean, and dry, free of laitance, accumulated dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. Remove loose and peeling paint, excessive chalk, and other contaminants from surfaces. Dry brushing is the

preferred method for cleaning surfaces prior to material application. However, chemical, mechanical, abrasive, or high-pressure water blasting may be used. Allow wet, cleaned surfaces to dry for 2-3 days before application of materials.

EIFS and Other Surfaces

Surfaces shall be structurally sound, clean, and dry. Clean EIFS surfaces following manufacturer's recommendations.

Precautions

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.

All surfaces to be coated should be clean of any dirt and grime, efflorescence, lime run, form oils and release agents, grease, mud, excess mortar, and mold and mildew, etc. All cracks should be pointed or caulked. All voids, bee holes, masonry surface defects and openings such as conduits, pipes, drains, door frames, vents, air conditioner openings, electrical openings, control joints, or any dissimilar materials should be repaired using urethane or other approved patching.

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 painting. Do not apply at temperatures below 40°F when temperatures are expected to drop below 40°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 90%.

Clear water repellents are not designed to waterproof horizontal masonry surfaces such as ledges, sills, cornices and parapet walls, etc.

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



Technical Data

Material Type	White: 100% Acrylic, Clear: Acrylic Blend
Active Solids Content	Approx. 25%
Color of Material	Milky White Liquid
Odor	Slight Latex Odor
Cured Appearance	Dries Clear or White
V.O.C.	0 gm/L
Flash Point	Non-Flammable
pH Value	Approx. 9.6
Viscosity	9.6 seconds
Weight	Approx. 8.7 lbs./Gal
Surface Dry Time	Approx. 1 Hour @ 70°F
Application Temp.	40°-120°F

Test Data

ASTM C1315	Type 1 Class A
ASTM C309	Pass
AASHTO M 148-05	Pass

Test Panel

Always apply Plugger 25™ Sealer onto a mock wall or test panel. Test the wall or an actual surface area to determine acceptable color, surface porosity, 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.



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."

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