

Clear-Seal™ Acrylic Urethane

TECHNICAL DATA SHEET



100% Urethane Water Repellent.

Clear-Seal™ CSI Reference

03 35 00 Concrete Finishing
04 2 00 Unit Masonry
04 40 00 Unit Masonry
05 05 13 Metal
09 24/25 Finishes

*standard warranty period is 5 years

Description

Rainguard Clear-Seal™ Acrylic Urethane Sealer is a single-component, self cross-linking urethane/acrylic blended sealer. Additionally, it serves as a finish coat for decorative concrete, stone, and other masonry surfaces. Clear-Seal, a waterbased, low VOC, low odor coating can protect your masonry against chemical spills and staining agents, UV light, and wear due to heavy foot traffic.

Clear-Seal™ is formulated for use on horizontal or vertical concrete (painted or unpainted) and wood surfaces. It may be used as a clear sealer on residential or commercial workroom spaces (foot traffic only), brick pavers, or other masonry surfaces.

Recommended Uses:

- Brick
- Concrete
- EFIS or Cement Plaster
- Masonry Block
- Stucco
- Wood
- Repellent of oil, gas, and other fluids

Features & Benefits

- Surface dries for recoat in approx. 1 hour
- 24 to 72 hours for full chemical cure
- Impact and wear resistant
- Non-yellowing formulation
- Resistant to stains, acids, bases, gasoline, alcohol and oil (vegetable and motor)
- Low odor
- Non-hazardous
- Resists UV rays
- Environmentally-friendly
- Water clean-up
- Excellent adhesion
- Fast dry time and cure time

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
Porous Surface	200 - 300
Dense Surface	300 - 400
Painted Surface	250 - 300
Wood**	200

**see Application Instructions for wood surfaces

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 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 Clear-Seal Acrylic Urethane 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

1. Clear-Seal™ Acrylic Urethane Sealer should be applied using either brush, t-bar, lamb's wool applicator, or most pump-up sprayers. A roller is not recommended for use during application as this may cause air bubbles to stay in the film.
2. Allow at least 1 hour or until tack-free before applying a second coat.

Wood Application

1. Ensure the wood is clean and dry.
2. Apply your first coat of Clear-Seal™ Acrylic Urethane by brushing, spraying or rolling.
3. Allow to dry for 3 to 4 hours.
4. Using 300 grit sandpaper, lightly sand the wood to remove any wood graining or texture.
5. Brush or blow any dust from the wood.
6. Apply 1 to 2 more coats over-top depending on the desired finish, allow 1 hour to dry in-between subsequent coats.

Drying Time

Wait 24 hours before opening up to light to moderate foot traffic, and 72 hours before heavy foot traffic.

Inspection

Surface must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The surface should be porous and absorb water. Relative humidity in the surface should be below 80% (per ASTM F-2170). All moisture should be kept away a minimum of 48 hours before application and a minimum of 48 hours after installation. This includes sprinklers, rain, fog, dew, etc.

Test Panel

Always apply Clear-Seal™ 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.

In the adhesion test, apply a sample in an inconspicuous area. Allow the sample to dry and cure. Cut the film coating in a grid pattern with vertical and horizontal lines. Place tape over the grid lines and wait several minutes. Pull the tape up. If the sample is not altered after removing the tape, the surface is sufficiently prepared for application.

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, beeholes, 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.

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.



Technical Data

Material Type	Water Based Acrylic Urethane
Volume Solids	31%
Color of Material	Off-White Emulsion in can
Odor	Slight Latex Smell
V.O.C.	<50 g/L V.O.C. Compliant
Gloss Level	20 - 25 @ 60°
Flash Point	Non-Flammable
pH Value	Approximately 7.5
Viscosity	9.6 Seconds No. 4 Ford Cup
Weight	Approximately 8.5 lbs./Gal.
Surface Dry/Recoat	Approx. 1 Hour
Full Chemical Cure	24-72 Hours

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 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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