



White Mountain™ Crystal Seal™

Water Based Stain Resistant Sealer for Concrete and Masonry

SPECIFICATIONS

DESCRIPTION:

Crystal Seal is the latest in water based micro-emulsion technology for concrete and masonry surface protection. **Crystal Seal** creates a non-yellowing barrier coating that seals, protects, and enhances the natural beauty of the surface to which it is applied. **Crystal Seal** retards efflorescence growth and makes a perfect base coat on unglazed tile floors to the application of **White Mountain Traffic Coat** buffable floor polish. **Crystal Seal** will resist most stains, however, oil and solvents should be wiped up as soon as possible to prevent damage. **Crystal Seal** deeply penetrates porous substrates to provide years of protective service.

USE:

Crystal Seal is ideal for use on:

- Colored and stamped concrete
- Exposed aggregate concrete
- Interlocking concrete pavers
- Mexican tile - saltillo
- Manufactured stone
- Masonry brick
- Natural stone
- Granite
- Slate

Product results will vary by substrate and application method. **It is the user's responsibility to determine the suitability and performance of this product for their application.**

ADVANTAGES:

- Resistant to oil and grease stains
- Interior and exterior use
- Excellent adhesion
- Water repellent
- Non-yellowing
- Easy to apply
- UV resistant
- Recoatable

LIMITATIONS:

- Not recommended for pre-sealed surfaces or non-porous surfaces such as ceramic tile, porcelain, or terrazzo
- Limited use with marble. Marbles can be extremely moisture sensitive; all are acid sensitive. Testing in an inconspicuous place is recommended before application.

PROPERTIES

VOC: [minus exempt solvents & water] 99 g/l – (0.83 lbs/gal)

FLASH POINT: [setaflash] >200° F

APPEARANCE:

Wet milky

Dry clear; satin

ODOR: mild acrylic

WEIGHT PER GALLON: [average] 8.41 lbs

PACKAGE VISCOSITY: [#2 Zahn] 14-16 sec

SOLIDS:

By Weight 18.38 ± 1%

By Volume 17.72 ± 1%

COVERAGE:

Porous Surface 50-200 sq ft/gal

Dense Surface 600-800 sq ft/gal

For more exact coverage rates, apply measured quantities of product to 1 square foot of substrate. Repeat until saturation obtained. Saturation obtained when material begins to pool on surface.

DRY SCHEDULE:

	50° F	60° F	75° F
<i>Dry to Touch</i>	3 hrs	2 hrs	60 mins
<i>Rainproof/Cured</i>	24 hrs	24 hrs	24 hrs

ORDER CODE: W1-01

PACKAGING:

Four 1 gallon plastic jugs per case

5 gallon pails

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APPLICATION DATA

SURFACE PREPARATION:

- Before use, thoroughly test this product on a sample to assure performance and appearance.
- Surface must be completely clean and dry to the touch.
- Remove all dirt, wax, old paints or sealers with appropriate cleaner, chemical stripper or abrasive blasting. If muriatic acid has been used, the surface must be flushed with clean water and neutralized with a pH neutralizer such as **White Mountain Jobsite Cleaner**. We do not recommend muriatic acid for cleaning concrete as it may discolor the surface, etch the concrete, and is hazardous to use.
- After cleaning, allow surface to dry 24 hours prior to sealer application.
- Allow new concrete to cure for at least 14 days before application.

APPLICATION:

Crystal Seal can be applied with a sponge, brush, roller, or most types of spray equipment. One coat will seal and protect the surface, while additional coats will give more protection and higher gloss. If a second coat is desired, apply as soon as first coat is dry to the touch.

For small areas, use an appropriate handheld sprayer to apply all coatings. Consult your local equipment supplier for recommendations. Do not allow coating to dry on spray tip. If this occurs, soak the tip in the recommended cleaning agent.

Applicator:

Brush synthetic bristle brush
 Roller 1/4" to 3/8" nap roller
 Airless sprayer tip size 0.013" - 0.015"

Porous Surfaces:

Example: paver brick, flagstone, Mexican clay tile, etc. One generous, even coat will provide adequate protection. A second coat will add protection and gloss. To strengthen old, porous and crumbling surfaces, additional applications may be required.

Dense Surfaces:

Example: slate, limestone, concrete tile, etc. One light to moderate coat supplies complete protection and a satin finish. More than one coat with dense surfaces is not recommended.

Application Caution:

Cover all plants, trees, grasses, and shrubs to protect from overspray. If overspray occurs, wash off with water immediately. Mask areas that may be affected by overspray.

Do not apply **Crystal Seal** during inclement weather or in direct sunlight when temperature exceeds 80° F. Do not apply to wet or damp surfaces. Air and surface temperature should be between 50° F and 80° F for 24 hours following application.

IMPORTANT NOTE:

Over application and excess sealer should not be allowed to pool or puddle. Wipe up any pools after 15 minutes.

Water Penetration Test:

Sprinkle a small amount of water on the sealed surface. If water penetration occurs or if water does not bead up on surface, apply additional sealer. This test should be performed after each applied coat.

CLEANUP:

When wet, flush with clean water. When dry, use lacquer thinner or xylene.

MAINTENANCE:

After cured, pressure wash, hose, or mop. Periodic cleaning with **White Mountain Jobsite Cleaner** is recommended.

TO REMOVE: acrylic stripper or abrasive blasting

HEALTH & SAFETY PRECAUTIONS

WARNING:

LIQUID CONTACT WITH EYE AND SKIN MAY CAUSE IRRITATION. DO NOT INGEST. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. If spillage has occurred, absorb and dispose of according to local regulations.

Contains: Tributyoxyethyl Phosphate, CAS#78-51-3; Anhydrous Ammonia, CAS#7664-41-7; Carbamic Acid, CAS#55406-53-6; Benzisothiazolinone, CAS#2634-33-5.

FIRST AID:

Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin, wash thoroughly with soap and water. If swallowed, seek medical attention immediately. DO NOT induce vomiting.

**THIS PRODUCT FOR PROFESSIONAL USE ONLY.
 KEEP OUT OF THE REACH OF CHILDREN.**

SHIPPING & HANDLING

SHIPPING DESCRIPTION: [CFR 49]

Ground, Air, Vessel Non Regulated Material
 Required Label & Marking Not Required

IMDG PACKAGING & STOWAGE: Not Regulated

UNIFORM FIRE CODE: [CFR 29] CLASS III-B

STORAGE TEMPERATURE: 45° F - 90° F

KEEP WATER BASED PRODUCTS FROM FREEZING

SHELF LIFE: [warranted] 1 YEAR

HMIS RATINGS: H - 1; F - 1; R - 0; PP - H

WARRANTY: The statements made herein, on labels, product bulletins, or by any of Triangle Coatings', Inc. employees or agents concerning this product are given for general information only. Due to variables beyond Triangle's control in application, surface preparation, surface temperature, humidity and other variable factors Triangle assumes no liability for any claim that may arise out of the use of its products and disclaims any warranty expressed or implied relating to the storage, application, thinning, merchantability, Buyer's assumption of performance, and the fitness for a particular purpose. Receipt of products from Triangle or its agents constitutes acceptance of the terms of this warranty. In the event that Triangle finds that the product delivered is not of Triangle's standard quality, Triangle will at its sole discretion, either replace the product or refund the purchase price. Triangle's choice of one of these remedies shall be the Buyer's sole remedy. Triangle will under no circumstances be liable for consequential damages, except insofar as liability is mandated by law. Triangle will deliver products at agreed times insofar as it is reasonably able to do so, but it will not be liable for failure to deliver on time when the failure is beyond its reasonable control.

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important to obtain the most recent Product Data Sheet for the product being used before application. WMW101-10/12-005

TRIANGLE COATINGS, INC. 4763 Bennett Drive, Livermore, CA 94551-4804 • Tel: 925-583-0800 • Fax: 925-583-0880 • www.tricoat.com