

Sections

09 09 97 00
Special Coatings

CRYLI-TEK® 5500

HIGH PERFORMANCE, CLEAR, WATER BASED ACRYLIC SEALER THAT ENHANCES PROTECTS AND PROVIDES A CLEAR "WET LOOK" THAT HIGHLIGHTS NATURAL PIGMENTS IN THE CONCRETE.

Description

A new high performance nanotechnology driven clear low sheen water based acrylic.

Cryli-Tek® is an acrylic, waterborne, high solids sealer for new or existing decorative concrete. It brings out the "wet look" and highlights the natural pigments in the surface, all while protecting it against abrasion and damage.

This unique formula leaves the surface with a clear, low gloss, non-yellowing finish. This product has an extremely fast set time and unsurpassed stain resistance. The treated surfaces will resist chipping, flaking, delamination and breakdown with UV light exposure.

Solids

25%

Appearance/color

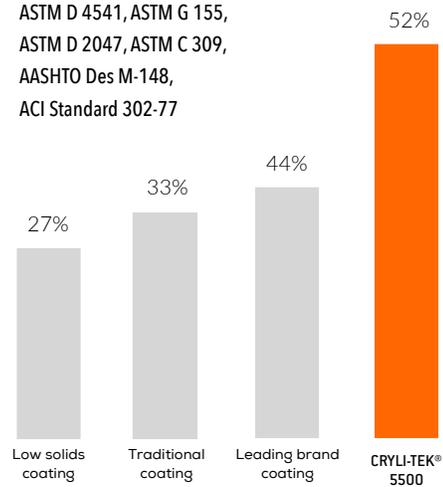
Clear

Coverage

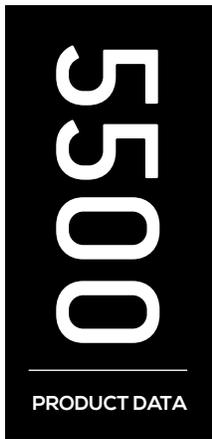
100-300 ft²/gallon

ULTRAVIOLET (UV) EXPOSURE AND WEATHERING

Meets the requirements of:
ASTM D 3359, ASTM D 3363,
ASTM D 4541, ASTM G 155,
ASTM D 2047, ASTM C 309,
AASHTO Des M-148,
ACI Standard 302-77



Percentage Improvement vs. Control



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Technical Data Sheet

TECHNOLOGY // ADVANTAGES

- **Composition** - 25% solids nanotechnology driven high-performance water based acrylic.
- **Reduces surface absorption and dusting** of concrete for easier cleaning and maintenance
- **Non-yellowing low sheen** sealer provides protection and improved appearance to concrete
- **Provides a clear, tough film** which improves abrasion and stain resistance
- **Extremely resistant to weathering effects** and provides a uniform and easy to clean surface
- **Aesthetically enhances** and protects
- **Wind erosion** and general exposure resistant
- **Resistance to carbonation** and a wide range of weak acids and alkaline solutions
- **Reduces organic growth**, mold, mildew and dirt pick up
- **Breathable** to allow moisture to escape without damaging the sealer
- **UV protection** and resistant to ultra-violent radiation, will not yellow or fade

TYPICAL PROPERTIES

Appearance - Clear liquid

Packaging - 1 gallon (3.78 L), 5 gallon (18.9 L) pails and 55 gallon (189.3 L) drums

VOC'S - <100g/L maximum

Percent Solids - 25%

Flash Point - N/A

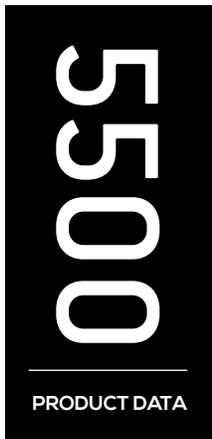
Drying Time - Tack Free: 1-2 hours
Open to Traffic: 4-12 hours

APPLICATIONS

- Interior // exterior concrete
- Horizontal // vertical substrates

Substrates

- Concrete
 - Brick and Masonry
 - Exposed aggregate
 - Pavers
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APPLICATION

Surface Prep

1. New "green" concrete must be properly cured. Concrete should obtain 80% of design strength, typically achieved within 14-28 days.
2. The concrete substrate must be structurally sound and clean of oil, grease, dirt, wax, curing compounds, efflorescence, paints, previous sealers, adhesives and other contaminants that might interfere with the penetration of the sealer. Power wash, acid etch or mechanically scarify as necessary to achieve the desired surface condition. If acid was used to clean the concrete, neutralize the surface and rinse with water prior to application. Allow for proper dry time before application. The surface-zone moisture content of the concrete should not exceed 4% wt. Do not apply if standing water is visible.
3. Surface and air temperatures must be at least 60°F during application. Surface and air temperatures should not exceed 90°F. Do not apply when temperatures are expected to fall below 32°F within 8 hours or when rain is expected within 12 hours following application. Keep material from freezing. If freezing conditions exist before application, let the substrate thaw before application. Do not apply during inclement weather or when inclement weather is expected within 12 hours.
4. Crack, patching and expansion joint sealants can be applied before application; always test for compatibility and adhesion.
5. Protect people, property, vehicles, window glass, roofing materials, plastic products, shrubbery, landscaping and all surfaces not set for treatment from overspray.

Application - Ready to Use

1. Always test a small area before application to ensure desired performance, aesthetics, coverage rates and to verify application technique. Let test area dry thoroughly, 5-7 days, before inspection.
2. One continuous, thin, uniform coat is needed to ensure complete coverage. Apply with a good quality roller or brush. Too thick of an application will result in entrapment and subsequent product failure. If it starts to rain, stop treatment and cover the treated areas.

3. If an additional coat is desired wait at least 4 hours and ensure the first coat has completely dried before applying a second coat. Press on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. We do not recommend any coatings be placed over this product except multiple coats of this product itself.

Dry Time

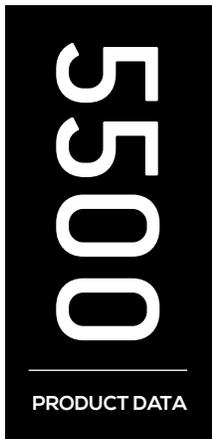
Typical tack-free drying time is 1-2 hours at 70°F and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time. Treated surfaces will be ready for pedestrian and vehicle traffic can vary 4-24 hours.

Clean Up

Clean equipment and tools with soap and water. Unused or old material may be disposed of in a waste disposal site in accordance with local, state and federal laws.

Precautions/Safety

Avoid contact with skin, eyes and clothing, do not take internally. Use appropriate safety equipment during application and handling. Please refer to the safety data sheet (SDS) for additional precautionary instructions before use.



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APPLICATION

Best Performance

- Proper application is the responsibility of the user.
- Make sure the most current versions of technical data sheets and safety data sheets are being used.
- Do not use in immersion service or constant chemical exposure areas.
- Extremely porous substrates such as pavers may require additional coats to achieve a slight enhancement.
- Apply in temperatures above 50°F.
- Protect from freezing.
- Do not apply to exterior horizontal surfaces that pond water as this may cause a blushing to occur.

Coverage

1 coat: 100 - 300 square feet per gallon. Variations in texture and porosity of substrate will affect the coverage and performance of the product.

KreteTek Industries Inc.

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Customer Service and Technical Support

1-855-KreteTek (1-855-573-8383)

Warranty

KreteTek Industries Inc. warrants our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. No warranty is made, expressed or implied, regarding such other information, the data on which it is based or the results you will obtain from its use. We shall have no liability for incidental or consequential damages, direct or indirect. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products.

Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sales of our products. Our products contain chemicals that may cause serious physical injury. Before using, read the Safety Data Sheet and follow the precautions to prevent bodily harm.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advise are based on KreteTek Industries Inc. present knowledge and experience. However, KreteTek Industries Inc. assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. KreteTek Industries Inc. reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.

For professional use only.

Last revised 7/21