

Sections

**09** 09 93 00  
Concrete Staining

# HYDRO-STAIN™ 1500

HIGH PERFORMANCE, WATER BASED PENETRATING CONCRETE STAIN AND COLORANT THAT IS A SAFER ALTERNATIVE TO ACID BASED STAINS.

### Description

A high performance nanotechnology driven water based concrete stain system.

This unique formula is a safe alternative to acid based stains containing no hazardous components while producing the same mottled look as acid stains when used to decorate concrete.

There is no neutralizing or rinsing required when using the Hydro-Stain 1500.

This product can be used on overlay systems, concrete or decorative concrete.

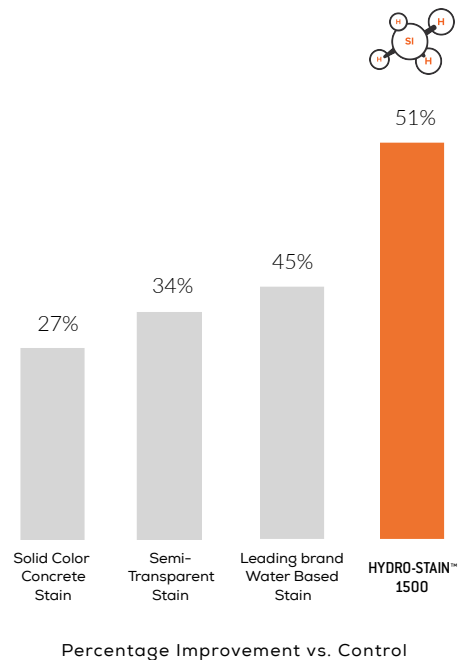
### Available colors

Seal gray, accent black, amber, rust, mahogany, molasses

### Coverage

Up to 300 ft<sup>2</sup>/gallon

### ULTRAVIOLET (UV) EXPOSURE AND WEATHERING





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## TECHNOLOGY // ADVANTAGES

- **Composition** - High performance water based penetrating concrete stain
- **Water based** safer alternative to acid based stains containing no hazardous components
- **No rinsing or neutralizing** required when using the Hydro-Stain 1500
- **Durable weather and UV resistant** can be used on interior and exterior applications
- **One component product** easy to apply and work with
- **Use with a sealer** for an enhanced surface appearance
- **Wide variety of colors** and colors can be mixed to create custom colors
- **Use on concrete**, decorative concrete, concrete overlays, horizontal or vertical concrete
- **Concentrated** mix with distilled water: 1 quart makes 1 gallon
- **Add vibrancy** to any surface with a variety of colors including: gray, black, amber, rust, mahogany, molasses
- **Eco friendly**, environmentally safe, no caustic ingredients, low odor

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### TYPICAL PROPERTIES

**Appearance** - Colored liquid

**Packaging** - 1 quart (946 mL)

**VOC'S** - 0 g/L

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### APPLICATIONS

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

### Substrates

- Concrete
  - Concrete overlays
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## Technical Data Sheet

### 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 and stains, adhesives and other contaminants. Power wash, clean, 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 45°F during application. Surface and air temperatures should not exceed 80°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. Protect people, property, vehicles, window glass, roofing materials, plastic products, shrubbery, landscaping and all surfaces not set for treatment from overspray.

#### Application

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. Product can be applied at full strength or diluted with water for a lighter color. Recommended reconstitution ratio: mix one (1) quart Hydro-Stain 1500 with three (3) quarts distilled water. Reconstitution ratio may be adjusted depending on the desired results. Apply with a good quality sprayer, roller, brush or mop. If rolling avoid rolling in straight lines. Sponging, rags or other specialty application methods can be used to achieve mottling effects.

3. Apply a second coat after the first coat is dry to the touch.
4. When using one color, the first step is to apply completely over the entire surface. One color in a single application achieves the mottling effect by the varying degrees of porosity within the surface of the concrete. In order to achieve the "acid stain look" apply additional coats in random patterns. Further applications depend on the desired look and porosity of the concrete. If it starts to rain, stop treatment and cover the treated areas.
5. See application notes for additional coloring techniques.

#### Sealing

1. A sealer is required after staining to ensure long lasting protection and/or enhanced color of the final project. Allow the stain to cure for at least 24 hours before sealing.

#### Dry Time

Typical drying time is 4-6 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 within 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

### Application Notes

- 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.
- When using more than one color, apply lighter colors first.
- Colors can be mixed before application, or they can be applied on top of one another to achieve a more distinct color.
- Spraying to the point of puddling or saturation, followed by swirling or blotting may produce decorative, distinctive veining upon drying.

### Coverage

1 coat: Up to 300 square feet per gallon. 2 coats: Up to 200 square feet per gallon. Variations in texture and porosity of substrate will affect the coverage and performance of the product.

### Note

Color variations will occur from slab to slab and testing is recommended before the final application.

### 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.

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