



# H&C® COLORTOP™ WATER-BASED SOLID COLOR CONCRETE STAIN



## PRODUCT DESCRIPTION

**H&C® COLORTOP™ Water-Based Solid Color Concrete Stain** is a water-based stain that provides a long-lasting, durable and decorative finish to interior or exterior concrete, masonry, or asphalt surfaces. Fortified with silicone, this easy-to-apply solid color stain can be tinted to hundreds of colors.

*\*H&C COLORTOP Water-Based Solid Color Concrete Stain is formerly known as H&C® Concrete Stain Solid Color Water-Based.*

## FEATURES & BENEFITS

- Provides a durable finish that extends the life of concrete and masonry surfaces
- Highly resistant to pool chemicals and many other household chemicals for long lasting beauty and protection
- Water-Based formulation allows for easier application and clean-up
- Interior & exterior use
- Satin finish

## RECOMMENDED USES

H&C® COLORTOP™ Water-Based Solid Color Concrete Stain is formulated for use on concrete, masonry and asphalt. It can be used on both interior and exterior surfaces including walkways, patios, pool decks, basement floors, and block and stucco walls.

## COVERAGE RATES

Substrate*	sq ft/gal
Concrete floors	200-300
Porous concrete	150-250
Concrete block	100-150
Split-faced block	75-125
Fluted block	50-100
Brick (clay)	100-150
Asphalt	200-250

\*Coverage will vary depending on the porosity and texture of the substrate.

## SURFACE PREPARATION

**New Concrete:** Allow new concrete to cure at least 28 days. Concrete surfaces should be able to absorb water. To test absorption, spray various sections of the surface to be stained with water. If the water does not absorb rapidly, then acid etch the surface using H&C® CONCRETEREADY® Etching Solution, following label instructions. After proper etching, the surface should feel like 120-grit sandpaper. If not, then etch again. Mechanical abrasion methods may be necessary to achieve proper profile. Do not apply the stain until all surfaces are porous. Allow all surfaces to dry at least 24 hours before staining. Prepared concrete must have a pH of 6 to 10.

**\*WARNING:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. To avoid exposure to lead dust, wear proper protective equipment, such as a properly fitted respirator (NIOSH approved) and follow proper containment and cleanup procedures. For more information, call the National Lead Information Center at 1-800-424-LEAD (in U.S.) or contact your local health authority.

**Asphalt:** Asphalt surfaces must be free of grease, oil, dirt, wax, and other surface contaminants. Scrub with a solvent-free cleaner, following label directions. Do not etch asphalt. Not recommended for use on freshly sealed asphalt. Newly placed or sealed asphalt should be allowed to cure at least 90 days prior application of a water-based top coat.

**Repair:** For the best repair on vertical and horizontal concrete and masonry surfaces, use H&C CONCRETEREADY Quick Patch and Repair to fill low spots and spalled concrete.

## JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample.

## LIMITATIONS

Do not use on wood surfaces.

## TOOLS REQUIRED

- Synthetic bristle paint brush
- Synthetic roller cover (3/8 to 1/2-inch nap)
- Airless sprayer 2000 psi; tip .015 to .017 inch
- Eye Protection
- Respiratory Protection
- Gloves

**NOTE:** Back rolling is recommended after spraying.

## APPLICATION INSTRUCTIONS

Apply H&C COLORTOP Water-Based Solid Color Concrete Stain onto dry surfaces only. Moisture content should not exceed 3 lbs/1,000 sq. ft. of surface (ASTM F710). Air, surface and material temperatures must be between 40o and 90o F and at least 5o above the dew point during and for 24 hours after application. Temperatures should be maintained above 40o F for a minimum of 7 days after application to allow for proper curing of the coating. Do not apply H&C COLORTOP Water-Based if rain is expected within 12 hours following application. A minimum of two coats are required.

**How to Apply:** Apply with a brush, roller, or sprayer. Stir product thoroughly before and during application. When using more than one container, intermix all containers together to ensure color uniformity. Prior to applying the first coat, dry sweep the concrete with a stiff broom or shop vacuum to remove all loose surface contaminants.

**First Coat:** Apply first coat evenly, working in one direction. Allow to dry at least 2 hours before applying the second coat.

**Second Coat:** For best coverage, apply the second coat perpendicular to the first coat. Two coats of H&C COLORTOP Water-Based Solid Color Concrete Stain are usually sufficient. However, extremely porous surfaces may require a third coat for a uniform appearance. Allow 2 hours of dry time between coats.

## SLIP RESISTANCE

Some surfaces may require a slip/skid-resistant additive for safety. Surfaces may be slippery when wet and proper preventative precautions are recommended. To increase slip/skid resistance, add H&C® SharkGrip® Slip Resistant Additive to the coating when applying. See product data page for detailed instructions. The addition of anti-slip/skid additives will not eliminate the possibility or risk of slipping/skidding or falling.

## CLEANUP

Clean tools and any spills or spatters immediately using soap and warm water.

## DISPOSAL

Follow your state or local regulations for disposal methods.

## PHYSICAL PROPERTIES

Typical Physical Properties and Characteristics		
Property	Test Method	Value
Dry Time (@ 77°F, 50% RH)	Dry-to-touch	30 minutes
	Light traffic (foot)	2 hours
	Heavy traffic	72-96 hours
	Recoat	2 hours
	Full cure	7-14 days
Flash Point	ASTM D93, PMCC	499 deg. F.
VOC	EPA Method 24	<224 g/L; 1.87 lb/gal*
Water-Vapor Transmission	ASTM D1653, Method A	5.21 ± 0.12 grains/sq ft/hr
Perm Rating	ASTM D1653	11.2 ± 0.3 grains/(hr ft <sup>2</sup> in Hg)
Accelerated Weathering	ASTM G154 Color change	3,000 hrs., no effect Delta E = 0.35
Wind-Driven Rain Resistance	Rilem Tube Method #11.4	Zero water penetration after 60 mins. exposure
Salt Spray Resistance	ASTM B117	No film defect after 500 hrs. exposure
Chemical Resistance	<ul style="list-style-type: none"> <li>• 10% sodium hydroxide</li> <li>• 10% ammonium hydroxide</li> <li>• Mineral spirits (KB value 38)</li> </ul>	No softening or color change
Sulfide Staining Resistance	ASTM D1712	No change after 15 mins.
Chloride Ion Penetration	AASHTO T 259/T 260	Reduction of 54% @ 0.0625-0.5" penetration, 83% @ 0.5-1.0" penetration, 36% @ 1.0-1.5" penetration
Impact Resistance (6 inch-pounds direct impact)	Fed. Std. 141A Method 2051 ASTM D2794	No film chipping
Abrasion Resistance	ASTM D968	>2,000 liters of sand
Flexibility (1-inch-diameter mandrel)	ASTM D522 Method B	No cracking or breaking
Scrub-Resistance Testing	ASTM D2486	1,200 cycles, no failure
Adhesion Testing	ASTM 3359	No film loss; Classification 5A
	<ul style="list-style-type: none"> <li>• Method A X-cut tape test</li> <li>• Method B cross-cut tape test</li> </ul>	
Reflectance of White	ASTM E1331	86% ± 3%
Color & Gloss Retention	ASTM G90	Color: Less than 0.30 change Sheen: 0.5 difference @ 60°
Sheen (pigmented & clear)	ASTM D523	Low luster < 35
Volume Solids Pigmented: Solids by Weight Solids by Volume	ASTM D2832	43% ± 2%*
		30% ± 2%*
Weight per Gallon	ASTM D1475	10 lbs.*

\*May vary depending on color

## MAINTENANCE

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Surfaces treated with H&C COLORTOP Water-Based are easily cleaned using 3 parts water to 1 part H&C CONCRETEREADY Cleaner Degreaser.

## ORDERING INFORMATION

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Extra White	Part Number/SMIS
1 gallon	20.101214/6507-11450
5 gallons	20.101215/6507-11468
Deep Base	Part Number/SMIS
1 gallon	20.102214/6507-11633
5 gallons	20.102215/6507-11641
Ultra Deep	Part Number/SMIS
1 gallon	20.103214/6507-11690
5 gallons	20.103215/6507-11708

## CAUTION

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**CAUTIONS: CONTAINS CRYSTALLINE SILICA.** Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (**NIOSH** approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

## LIMITED WARRANTY

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This warranty is only valid when the product is applied and maintained according to product application and maintenance instructions to a properly prepared surface. If the product fails to perform in accordance with applicable product literature **H&C** shall either replace an equivalent quantity of product free of charge or refund the original purchase price. For a replacement or a refund, return the product to the place of purchase accompanied by the original proof of purchase. This warranty shall not apply to any defect, damage or product failure resulting from improper surface preparation, structural defects, environmental damage, failure of a previous product, deterioration or defect in the underlying substrate, or improper application and maintenance of the product. Your exclusive remedy is the replacement of product or refund and does not include labor or costs associated with the application or removal of any product. **IN NO EVENT SHALL H&C BE LIABLE FOR ANY TYPE OF INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY, PUNITIVE, OR INDIRECT DAMAGES WHETHER OR NOT PURCHASER IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL HAVE THE SAME DURATION AS THE ABOVE EXPRESS WARRANTY.** Some states do not allow limitations on how long an implied warranty lasts or limitations on incidental or consequential damages, so portions of the limitations above might not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

## TECHNICAL SERVICES

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The information and recommendations set forth in this product data sheet are based on tests conducted by or on behalf of H&C Products Group and The Sherwin-Williams® Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your H&C® or Sherwin-Williams representative to obtain the most recent product data sheet.

For technical assistance, call 1-800-867-8246 or visit [www.hcconcrete.com](http://www.hcconcrete.com).