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H&C®

CONCRETE STAIN SOLID COLOR WATER BASED

FORMERLY SHIELD PLUS ULTRA CONCRETE STAIN

PRODUCT DESCRIPTION	CHARACTERISTICS	SURFACE PREPARATION																
<p>H&C® Concrete Stain Water Based provides superior protection and beauty for both exterior and interior concrete. Fortified with silicone it is ideal for pool decks, patios, walkways, block and stucco walls, basements and laundry rooms. It may be applied to bare concrete or previously painted surfaces. H&C® Concrete Stain Water Based is highly resistant to pool chemicals. For best results on garage floors use H&C® Shield-Crete Garage Floor Epoxy.</p> <p>Features:</p> <ul style="list-style-type: none"> • Protects and beautifies interior and exterior surfaces • Use on concrete, masonry, and asphalt • Will not peel, flake, or fade • Resists oil, gasoline, water, and UV rays • Makes the surface easier to clean • Soap & water clean up • Ideal for high pH surfaces <p>Recommended Uses:</p> <ul style="list-style-type: none"> • Pool Decks • Stadium Supports • Bridges and Bridge Structures • Parking Garages • Athletic Courts • Asphalt Driveways • Block & Stucco Walls • Patios and Walkways • Basement Floors • CMU, Split Face, and Fluted Block • Precast, Poured-in-place, and Tilt-up Concrete. <p>For a complete color/seal system on porous substrates, apply 2 coats of H&C® Concrete Stain Water Based and a flood coat of H&C Super V™ Water Repellant.</p>	<p>Color: 8 ready mixed colors, 3 tintable bases for a variety of custom colors and clear for added durability.</p> <p>Coverage</p> <table border="0"> <tr> <td></td> <td style="text-align: right;">sq ft/gal</td> </tr> <tr> <td>Concrete floors</td> <td style="text-align: right;">200-300</td> </tr> <tr> <td>Porous concrete</td> <td style="text-align: right;">150-250</td> </tr> <tr> <td>Asphalt</td> <td style="text-align: right;">200-250</td> </tr> <tr> <td>Concrete block</td> <td style="text-align: right;">100-150</td> </tr> <tr> <td>Split faced block</td> <td style="text-align: right;">75-125</td> </tr> <tr> <td>Fluted block</td> <td style="text-align: right;">50-100</td> </tr> <tr> <td>Brick (clay)</td> <td style="text-align: right;">100-150</td> </tr> </table> <p>Drying Time, @ 77°F, 50% RH: temperature and humidity dependent</p> <p>To touch: 30 minutes Light traffic and recoat: 2 hours Heavy traffic: 72-96 hours</p> <p>Full Cure should be reached in 7-14 days *NOTE: High humidity and /or low temperatures will affect drying time.</p> <p>Flash Point: N/A Finish: Low Luster Vehicle Type: 100% Acrylic</p> <p>White 20.001214 VOC (less exempt solvents): 224 g/L; 1.87 lb/gal*</p> <p>Volume Solids: 30 ± 2%* Weight Solids: 43 ± 2%* Weight per Gallon: 10.0 lb* *May vary by color</p> <p>Clear 20.001204 Volume Solids 19% Weight Solids 22%</p> <p>Static Coefficient of Friction: .9</p>		sq ft/gal	Concrete floors	200-300	Porous concrete	150-250	Asphalt	200-250	Concrete block	100-150	Split faced block	75-125	Fluted block	50-100	Brick (clay)	100-150	<p>WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.</p> <p>Bare Concrete: Newly poured concrete must be at least 28 days old. All concrete must be clean, dry and free of grease, oil, etc. To spot clean, use H&C® Cleaner Degreaser following label directions. If mold, mildew or fungus is present, kill and remove with a solution of one-cup household bleach to one gallon of water. Concrete MUST be etched, with H&C® Etching Solution or muriatic acid, following label directions. Surface should have the feel of 120-grit sandpaper, if not then a second etching is required. Allow 24 hours before staining. Prepared concrete must have a pH level between 6 and 10.</p> <p>Garage Floors For best results use H&C® Garage Floor Epoxy</p> <p>Driveways: Proper surface preparation is crucial when using this product on garage floors and driveways. For best results use H&C® Concrete Sealer Solvent Based.</p> <p>Asphalt: Asphalt surfaces must be free of grease, oil, dirt, wax, etc. Scrub with a solvent free cleaner following label directions. DO NOT ETCH ASPHALT. Not recommended if asphalt has been freshly sealed.</p>
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SURFACE PREPARATION

Previously Painted:

All old, peeling, flaking paint must be removed. Areas with firm adhesion must be clean and free of dirt, oil, grease, etc. Clean with **H&C® Cleaner Degreaser**, following label directions. Rinse thoroughly and allow to dry. Remaining paint should be rough sanded in a circular motion to ensure adhesion of H&C® Concrete Stain. Rinse away sanding dust. **DO NOT ETCH PREVIOUSLY PAINTED SURFACES.**

APPLICATION

When to Apply:

H&C® Concrete Stain Water Based should be applied on dry to slightly damp surfaces. Air and surface temperature must be between 50° and 90°F. If temperatures exceed 90°F dampen the surface with a fine spray of water to reduce the surface temperature. Stir stain thoroughly before and during application. A minimum two coats is required. Apply with brush, roller or spray. When using more than one container, **intermix** all containers together to ensure color uniformity. Prior to applying your first coat, dry-sweep the concrete with a stiff broom.

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

Second Coat: Apply second coat cross-wise to the first coat. Two coats of H&C® Concrete Stain Water Based are usually sufficient. However, extremely porous surfaces may require a third coat for a uniform appearance. If more than two coats are applied on a horizontal surface, consider using H&C® SharkGrip Slip-Resistant Additive. Allow 2 hours dry time between coats. Allow 72 to 96 hours drying conditions before using the surface for heavy traffic.

APPLICATION

Brush—Use a nylon/polyester brush

Roller—Use a 3/8" woven nap cover

Spray—Airless

Pressure 1500 psi

Tip013" - .017"

Spray—Conventional

Air Pressure 30 - 50 psi

Fluid pressure 15 - 20 psi

Cap/Tip 704/FX or equivalent

HVLP

Cap/Needle Titan #3 or equivalent

Backrolling recommended after spraying

Slip Resistance

Some surfaces may require a slip-resistant additive for safety. Add **H&C® SharkGrip Slip Resistant Additive** to the final coat, following label directions. **H&C® SharkGrip Slip Resistant Additive** should not be used in place of a non-skid finish.

CLEANUP INFORMATION

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. Use "waterless" hand cleaner to remove dried material from skin. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using any solvent.

TECHNICAL SERVICES

1-800-TO STAIN(867-8246)
www.hc-concrete.com

CAUTIONS

Do not use on wood surfaces.
For atmospheric use only.
Non-photochemically reactive.

Label Caution

CAUTION 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.**

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The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&C concrete coatings 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.



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ORDERING INFORMATION		PERFORMANCE DATA
Clear Gallon Five	Part Number/SMIS 20.001204/163-2702 20.001205/163-2710	Accelerated Weathering ASTM G154 800 hrs, no effect
Extra White Gallon Five	Part Number/SMIS 20.001214/163-1753 20.001215/163-1746	Color & Gloss Retention ASTM G90 Color: Less than .30 Change Sheen: .5 difference @ 60°
Deep Base Gallon Five	Part Number/SMIS 20.002214/163-1738 20.002215/163-1720	Chloride Ion Penetration AASHTO T 259/T 260 Reduction of 54 % @ 0.0625"-0.5" penetration, 83 % @ 0.5"-1.0"penetration, and 36 % @1.0"-1.5"penetration
Ultra Deep Gallon Five	Part Number/SMIS 20.003214/163-1712 20.003215/163-1704	Resistance to Wind Driven Rain Rilem Tube Method #11.4 Zero water Penetration over 60 minutes exposure
Bombay Part Number/SMIS Gallon Five	20.001254/163-1787 20.001255/163-1795	Resistance to Salt Spray ASTM B117 No film defect after 500hrs exposure
Sandstone Gallon Five	Part Number/SMIS 20.001324/163-1852 20.001325/163-1845	Resistant to Sulfide Staining ASTM D1712 No change after 15mins
Tile Red Part Number/SMIS Gallon Five	20.001364/163-1902 20.001365/163-1910	Chemical Resistance 10% Sodium Hydroxide No softening or color change
Terra Cotta Gallon Five	Part Number/SMIS 20.001354/163-1886 20.001255/163-1894	10% Ammonium Hydroxide No softening or color change
Pearl Gray Gallon Five	Part Number/SMIS 20.001314/163-1837 20.001314/163-1829	Mineral Spirits KB value 38 No softening or color change
Gull Gray Gallon Five	Part Number/SMIS 20.001284/163-1803 20.001285/163-1811	
Silver Gray Gallon Five	Part Number/SMIS 20.001344/163-1878 20.001345/163-1860	