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H&C[®] SHIELD PLUS[™] CONCRETE STAIN

<u>PRODUCT DESCRIPTION</u>	<u>CHARACTERISTICS</u>	<u>SURFACE PREPARATION</u>																				
<p>H&C Shield Plus[™] Concrete Stain is a high grade, water-reducible styrene-acrylic coating formulated with alkali-resistant pigments, designed to provide a long lasting, durable and decorative finish on masonry or asphalt.</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 • Inhibits hot tire pick-up on rough concrete or asphalt. • Soap & water clean-up <p>Recommended Uses:</p> <ul style="list-style-type: none"> • Stadium Supports • Bridges and Bridge Structures • Parking Garages • Athletic Courts • Asphalt Driveways • Block & Stucco Walls • Patios and Walkways • Other Interior Concrete Surfaces • CMU, Split face, and fluted block • Precast, poured-in-place, and tilt-up concrete. <p>For a complete color/seal system on extremely porous substrates, apply 2 coats of H&C Shield Plus Concrete Stain and a flood coat of H&C Super V[™] Water Repellant.</p>	<p>Color: 12 ready mixed colors and 3 tintable bases for a variety of custom colors</p> <p>Coverage sq ft/gal</p> <table> <tr> <td>Concrete Floors</td> <td>200-300</td> </tr> <tr> <td>Porous concrete</td> <td>150-250</td> </tr> <tr> <td>Asphalt</td> <td>200-250</td> </tr> <tr> <td>Concrete block</td> <td>100-150</td> </tr> <tr> <td>Split faced block</td> <td>75-125</td> </tr> <tr> <td>Fluted block</td> <td>50-100</td> </tr> <tr> <td>Brick</td> <td>100-150</td> </tr> </table> <p>Drying Time, @ 77°F, 50% RH: temperature and humidity dependent</p> <table> <tr> <td>To touch:</td> <td>30 minutes</td> </tr> <tr> <td>Light traffic and recoat:</td> <td>2 hours</td> </tr> <tr> <td>Heavy Traffic:</td> <td>72-96 hours</td> </tr> </table> <p>Flash Point: N/A</p> <p>Finish: Low Luster</p> <p>Vehicle Type: Styrene Acrylic</p> <p>White 20.001014</p> <p>VOC (less exempt solvents): 256 g/L; 2.14 lb/gal*</p> <p>Volume Solids: 30 ± 2%*</p> <p>Weight Solids: 43 ± 2%*</p> <p>Weight per Gallon: 10.2 lb*</p> <p>* May vary by color</p>	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	100-150	To touch:	30 minutes	Light traffic and recoat:	2 hours	Heavy Traffic:	72-96 hours	<p>Testing: Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility prior to full scale application.</p> <p>All surfaces must be clean, dry and free of grease, oil, paint, sealers, etc. To clean, use H&C Degreaser, following label directions, rinse thoroughly and allow the surface to dry. If mold mildew or fungus are present, kill and remove by cleaning with a solution of 1 part household bleach to 3 parts water.</p> <p>Bare Concrete: New concrete must be cured 45 days. All horizontal concrete must be etched with H&C Concrete Etching Solution first, following label directions. For very smooth surfaces (troweled surfaces with no porosity) use H&C Concrete Etching Solution at full strength. For smooth-troweled concrete with some porosity, 1 part H&C Concrete Etching Solution to two parts water should be used. Do not etch painted surfaces. Prepared concrete should have a pH between 6 and 10. After etching, before applying the first coat, thoroughly sweep or blow off surface to remove dust.</p> <p>Asphalt Do not etch asphalt. Do not use if asphalt has been freshly sealed. Wait 90 days or until water absorbs into the surface.</p> <p>Previously Painted All old, peeling, flaking paint must be removed. Remaining paint should be rough sanded to ensure adhesion. Remove the sanding dust.</p> <p>Repair: For the best waterproofing protection on vertical concrete and masonry, patch and repair cracks and crevices where water can enter. Use ConSeal Sealants and Patches on exterior surfaces following label directions. On floor surfaces, use appropriate patching material. Patching compounds will generally be visible through clear coatings.</p>
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APPLICATION

- Apply on dry to slightly damp surfaces.
- Air and surface temperature should be between 50° and 90°F during and for 24 hours following application. If temperatures exceed 90°F, dampen bare concrete with a fine spray of water to reduce surface temperature.
- Two coats are recommended.
- Vertical applications and very porous surfaces (walls, barriers, concrete block, precast walls, stucco, etc.) do not require thinning.
- Stir thoroughly before and during application.

Brush—Use a nylon/polyester brush

Roller—Use a 3/8" - 1/2" 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

Bare Concrete

First Coat: Reduce H&C Shield Plus Concrete Stain with one pint of water per gallon of stain. Do not reduce for porous block walls. Apply first coat evenly, working in one direction. Allow to dry at least 2 hours before applying the second coat.

Second Coat: Apply at package consistency. Do not thin. For best coverage, apply perpendicular to the first coat. Two coats are usually sufficient. However, extremely porous surfaces may require a third coat for a uniform appearance.

APPLICATION

Asphalt and Previously Painted Surfaces.

Apply two coats at package consistency.

Do not thin. Allow to dry 2 hours between coats and 72 hours for heavy traffic.

On freshly seal-coated asphalt, wait 90 days or until water absorbs into the surface.

Slip Resistance

Some surfaces such as inclined driveways, garages, steps, patios, etc., may require a slip resistant additive for safety.

Add H&C[™] SharkGrip[®] Slip Resistant Additive to the final coat applied following label directions. This product 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 or a waterless hand cleaner. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment.

Follow manufacturer's safety recommendations when using any solvent.

CAUTIONS

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

Label 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, get medical attention 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 a chemical known to the State of California to cause cancer. **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 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 Sherwin-Williams representative to obtain the most recent Product Data Sheet.