



H&C® INFUSION® REACTIVE CONCRETE STAIN



PRODUCT DESCRIPTION

H&C® INFUSION® Reactive Concrete Stain is a unique formulation of blended acidic metallic salts that imparts translucent, variegated color to new or existing concrete. The stain chemically reacts with the concrete to produce long-lasting color that will not wear away unless the concrete wears.

FEATURES & BENEFITS

- Gives new and existing concrete a translucent, variegated appearance that's unique to each application.
- Can be diluted, thinned, or mixed to create infinite custom colors.
- Provides long-lasting performance at a lower cost than many other decorative floor systems.
- Excellent for use in commercial, residential, institutional and industrial areas.
- Produces vibrant coloring effects when enhanced by solvent- or water-based sealers and floor finishes.
- Available in 12 ready to use colors

RECOMMENDED USES

H&C INFUSION Reactive Concrete Stain is formulated for use on both interior and exterior bare concrete surfaces including driveways, sidewalks, pool decks, patios, and commercial and residential floors.

COVERAGE RATE

150-200 sq ft/gal

(Coverage will vary depending on the porosity and texture of the substrate.)

JOBSITE TEST SECTION

Due to the wide variety of substrates, preparation methods, application methods and environments, it is important to create a test sample. The final color may vary depending on the concrete texture, age, type of sealer and other variables. Always apply sealer to test sample. When mixing different H&C INFUSION Reactive Concrete Stains to create custom colors, record the mix ratio for reference should future color matches be required.

LIMITATIONS

H&C INFUSION Reactive Concrete Stain will not hide cracks or other blemishes in the concrete, and may accentuate imperfections in the finish. Always use in a well-ventilated area. Do not allow product to freeze. Do not use on Fiber reinforced concrete. Note that colors, Lido Blue, Potato Ivy and Verdant Plain are for interior use only.

SURFACE PREPARATION

Surface preparation is crucial to successful installation of H&C INFUSION Reactive Concrete Stain. The stain must be able to penetrate fully in order for the chemical reaction to occur. Concrete surfaces require porosity and profile. To test absorption, spray various sections of the concrete to be coated with water. If the water does not absorb within 10 seconds, the concrete is not porous. Light grinding may be necessary to achieve proper porosity and absorption.

New Concrete: Allow new concrete to cure at least 28 days before applying. All surfaces must be clean, dry to slightly damp, and free of curing compounds, sealers, membrane-forming products and bond breakers. On interior installations, protection from hydrostatic pressure and moisture should be part of the initial concrete design and slab installation criteria.

Existing Concrete: Remove all surface contaminants such as grease, glue, oil, laitance, efflorescence and loose mortar. For optimum surface cleaning, use an orbital cleaning machine, black scrubbing pad and H&C® CONCRETEREADY® Cleaner Degreaser. Remove all visible imperfections by grinding to create a uniform, porous surface (unless you want to accentuate those imperfections). Surface should not appear or feel like polished concrete. For surface porosity perform the water test as specified under surface preparation.

Previously Painted Concrete: To ensure proper reaction of H&C Infusion Reactive Concrete Stain, all paint, coatings and sealers must be removed before stain installation. For best performance, mechanically grind the surface. Vacuum or sweep away grinding dust before stain application.*

***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.

TOOLS REQUIRED

Use nonmetallic equipment only. H&C INFUSION Reactive Concrete Stain will react with metals, so the use of acid-resistant brushes, brooms, sprayers and buckets is recommended. A pump-up garden sprayer (all plastic parts) is ideal for application.

APPLICATION INSTRUCTIONS

Before staining, rope off areas to be stained and use plastic sheeting to cover and protect surrounding surfaces and vegetation. Do not allow open stain containers to stand on untreated concrete surfaces, as staining will occur if the material is spilled.

APPLICATION INSTRUCTIONS (cont.)

How to Apply: Pump-spray stain onto the surface in a random, circular motion to prevent visual over lapping of material. Keep a wet edge and a uniformly saturated surface.

DO NOT allow the stain to puddle, splash, or drip on the floor or treated surface, as darkening and discoloration from the rest of the floor or treated surface will occur.

Depending on the color desired, an application of two or more coats of stain may be required. Allow the stain to remain on the surface between applications and after final application until the chemical reaction is complete (a minimum of 4 hours). You can apply the stain full strength or dilute with water to lighten the color, if desired. Do not exceed a 4:1 water-to-stain mix ratio.

Neutralizing and Removing Residue: Remove H&C INFUSION Reactive Concrete Stain residue (after the minimum 4-hour reaction time) by wet scrubbing with a neutralizing cleaner such as ammonia or baking soda diluted in water. A solution of baking soda (sodium bicarbonate) and water, using 1 pound of baking soda per 5 gallons of water (454g/19L), can be used to neutralize the residual acid stain. Rinse the surface until the rinse water is clean. After a few rinsings (changing out your mop water frequently) use a white buff pad to see if any residue remains. If so, continue to clean. Protect all adjacent foliage and soil from overspray and runoff. To collect residue, use an acid-resistant wet vacuum. All residue must be removed before a sealer can be applied.

Sealing: Apply sealer at least 24 hours after the acid residue has been removed. Use two coats of H&C INFUSION Solvent- or Water-Based Sealer. For high traffic or commercial/industrial applications use H&C™ CLEARPROTECT™ 2-Part Water-Based Polyurethane, High Performance Industrial Sealer or 2-Part Self-Leveling Epoxy. For interior floors, add at least two coats of H&C INFUSION Industrial Floor Finish for maximum protection.

CLEANUP

Dispose of stain residue and any leftover stain product in accordance with federal and state regulations. Exercise caution when handling the stain residue and water drainage.

MAINTENANCE

For maintenance, please reference the appropriate sealer data page.

PHYSICAL PROPERTIES

Typical Physical Properties and Characteristics	
Property	Value
Dry Time (@ 77°F, 50% RH)* Recoat Sealing	4 hours 24 hours after residue removal
Flash Point	N/A
VOC	<50 g/L
Finish (unsealed)	None
Weight per Gallon	11.86 lbs., ± 2

*Temperature and humidity dependent.

ORDERING INFORMATION

Wenge Wood **Part Number/SMIS**
1 gallon 40.102004/ 6509-23915
5 gallons 40.102005/ 6509-23923

Rusted Fence **Part Number/SMIS**
1 gallon 40.102014/ 6509-23931
5 gallons 40.102015/ 6509-23949

Black Coffee **Part Number/SMIS**
1 gallon 40.102024/ 6509-23956
5 gallons 40.102025/ 6509-23964

Crumbled Brick **Part Number/SMIS**
1 gallon 40.102034/ 6509-23972
5 gallons 40.102035/ 6509-23980

Potter's Wheel **Part Number/SMIS**
1 gallon 40.102044/ 6509-23998
5 gallons 40.102045/ 6509-24004

Lido Blue* **Part Number/SMIS**
1 gallon 40.102054/ 6509-24012
5 gallons 40.102055/ 6509-24020

Potato Ivy* **Part Number/SMIS**
1 gallon 40.102064/ 6509-24038
5 gallons 40.102065/ 6509-24046

Verdant Plain* **Part Number/SMIS**
1 gallon 40.102074/ 6509-24053
5 gallons 40.102075/ 6509-24061

Shore Gray **Part Number/SMIS**
1 gallon 40.102114/ 6509-24137
5 gallons 40.102115/ 6509-24178

Midas Gold **Part Number/SMIS**

1 gallon 40.102104/ 6509-24111
5 gallons 40.102105/ 6509-24129

Sienna Red **Part Number/SMIS**
1 gallon 40.102084/6509-24079
5 gallons 40.102085/6509-24087

Mustard Seed **Part Number/SMIS**
1 gallon 40.102094/6509-24095
5 gallons 40.102095/6509-24103

**For interior use only.*

CAUTION

CAUTIONS: DANGER! OXIDIZER! CORROSIVE! Can cause severe eye and skin burns and blindness. May be fatal if swallowed, inhaled, or absorbed through skin. Prolonged or repeated breathing might cause ulceration or perforation of nasal membranes. Do not use unless wearing a P100/hydrogen-chloride respirator (NIOSH TC-84A). Wear protective clothing including gloves, chemical-resistant apron and boots. Reference product's Safety Data Sheet for specific exposure precautions and personal protection recommendations.

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.

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

Seller's and manufacturers only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the applicator's inability to use the product for his/her intended use. The user assumes all risk and liability.

TECHNICAL SERVICES

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.