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H&C®

## BROOM FINISH REPAIR

### PRODUCT DESCRIPTION

**H&C® Broom Finish Repair** is a trowelable or squeegee applied cementitious topping for leveling and texturing both interior and exterior concrete surfaces. When broomed, it creates a texture that resembles freshly poured and broomed concrete.

**Recommended Uses:**

- Driveways/Garage Floors
- Patios
- Lanais
- Walkways
- Pool Decks

### ORDERING INFORMATION

**Part Number**

50lb bag 60.000609-50

**SMIS**

50lb bag 6501-84666

### COLOR PACKS

For integral color, use one **H&C® Color Pack** per 50lbs of **H&C® Broom Finish Repair**. Always add the color pack to the liquid prior to adding the **H&C® Broom Finish Repair**. Incorporate the color pack with a low speed drill and mixing paddle. **H&C® Broom Finish Repair** gray portland cement will cause the finished color to vary from the **H&C® Color Pack** brochure.

### SURFACE PREPARATION

Concrete must be cured. Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, and other foreign matter. The prepared surface must be clean and structurally sound. Shot blasting, scarifying or water blasting may be necessary to achieve the proper profile for both a chemical and mechanical bond. Acid etching or other treatments should be evaluated for profiling. **H&C® Concrete Etching Solution** is an effective, safe alternative to muriatic acid. Substrate must be 40°F and rising before installation. Surface at 90°F and above must be cooled before installation. Dampen area with fog tipped sprayer before using, leaving no puddles.

On irregular slabs requiring extensive patching, it is recommended to use **H&C® Quick Patch & Repair**. **H&C® Broom Finish Repair** will sag and shrink in deeper pits and voids. **H&C® Broom Finish Repair** may be installed in multiple lifts with no brooming to create a superior smooth surface. As product dries, scrape and use leaf blower to remove loose material.

**Mixing Equipment:**

A 1/2" drill and a cage or barrel mixing paddle with a 5-gallon pail are sufficient. The 1/2" drill must be a slow or variable speed drill to control the shear and mixing speed.

**Never add water to dry material. When mixing, use a separate clean 5-gal bucket and always add the dry material to 7-8qts of water.**

### APPLICATION

**Base Coat:** Apply in ambient and substrate temperatures between 40°F and rising and 90°F. Cover or mask all areas requiring protection with tape and paper so that material does not bond to unwanted surfaces. Dampen concrete before applying base coat. Concrete **MUST** be damp with no standing water prior to base coat application. Mix water at the rate of 7 – 8 qts. to 1 - 50 lb. bucket. Mechanically mix to a lump-free consistency. Pour mixed material onto the existing damp slab and squeegee a tight coat (usually less than 1/16"), depending on desired finish. This will fill in any slight inconsistencies in the concrete surface and leave a flat, even base that is essential for successful application. The base coat may be broomed immediately after placement, which will give a superior surface for the following finish broom coat to mechanically bond. A very irregular slab with divots and spalls should be patched prior to application of base coat. For slight irregularities do not broom the base coat. The broom will pull away material from the irregularities. Steel-cleated golf shoes or spikes are useful if the slab is so large that it cannot be broomed completely from the sides. As the base coat dries, scrape the surface and sweep and use leaf blower to remove loose material.

**Finish Coat:** The broom finish coat is exactly the same as the base coat including the ratios and mixing instructions.

Dampen the base coat. Again pour out the mixed material and trowel to approximately 1/16"-1/32" thickness. The material can be broomed with a concrete broom immediately after placement. For a finer broom finish allow the product to set slightly before brooming. Clean the broom frequently to prevent the finish coat from balling up.



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## BROOM FINISH REPAIR

<u>APPLICATION</u>	<u>TECHNICAL DATA</u>	<u>CAUTIONS</u>
<p>Have sufficient extensions for broom handle to prevent inadvertently stepping onto broom finish. Steel golf spikes or spiked shoes are useful if the slab is so large that it cannot be worked completely from the sides. A piece of plywood to step off the slab with spikes will prevent turf from being tracked back onto the new broom finish. A piece of scrap cardboard to shake off the broom will facilitate easier cleanup. Just before sealing, remove any burrs or high spots with a sanding brick/stone or large scraper. Use a leaf blower to remove loose material. To complete the installation, two thin coats of <b>H&amp;C® Solvent or Waterborne Sealer</b> are required. H&amp;C Stain &amp; Sealers require 72-96 hrs curing before vehicle traffic. These wait times can vary depending on the specific topcoat product, so consult the specific manufacture's technical data before allowing vehicles on the surface.</p> <p><b>Coverage Rates:</b> *One 50 lb. bucket of Broom Finish Repair will cover 180-200 sq./coat- approx. 1/16"-1/32" (2-coats are recommended).</p> <p>2000 sq. ft. of application surface should require 20-22 buckets of material for a 2-coat system (Based on 7qts of water per 50lb bucket of Broom Finish). <b>*Heavily pitted, spalling or porous surfaces will lower the coverage rates stated above.</b></p> <p><b>Disposal:</b> Comply with all applicable local, state and federal rules and regulations for powder, mixed and cured product, the packaging and mixing containers</p>	<p><b>Compressive Strength</b> ASTM C-109 7-Days 3750 PSI 28-Days 6100 PSI</p> <p><b>Flexural Strength</b> ASTM C-78 9-days 850 PSI 28-days 1500 PSI</p> <p><b>Abrasion Resistance</b> ASTM C-944 1-day 1 gram lost 7-days 1 gram lost</p> <p><b>Tensile Strength</b> ASTM C-190 1-day 280 PSI 7-days 560 PSI 28-days 890 PSI</p> <p><b>Shear Bond</b> ASTM C-882 7-days 1100 PSI 28-days 1650 PSI</p> <p style="text-align: center;"><b><u>TECHNICAL SERVICES</u></b></p> <p>1-800-TO STAIN(867-8246) www.hcconcrete.com</p> <p>The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of H&amp;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&amp;C or Sherwin-Williams representative to obtain the most recent Product Data sheet.</p>	<p>May cause skin or burns or irritation. Inhalation is known to cause cancer or delayed lung injury. Avoid contact with eyes and skin. Wear safety glasses or goggles, protective clothing, shoes and gloves to prevent eye and skin contact. This product contains hydraulic cement. When mixing with water and/or latex, it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Avoid breathing dust. This product contains crystalline silica sand. Prolonged exposure to crystalline silica dust is known to cause lung cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust while handling this product. Wear a respirator approved for protection against crystalline silica dust. Warning: This product contains a chemical known to the state of California to cause cancer. First Aid: If ingested, drink one to two glasses of water. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. In case of contact with eyes and/or skin, flush area with clean water for a minimum of 15 minutes and seek medical attention. Read the material safety data sheet (MSDS) for this product prior to use. For additional information contact your distributor.</p> <p><b>KEEP OUT OF REACH OF CHILDREN</b></p> <p style="text-align: center;"><b><u>LIMITED WARRANTY</u></b></p> <p>The manufacture's limited liability under any warranty whether expressed or implied is limited solely to replacement of the product and does not include liability for injuries or incidental or consequential damages.</p> <p><b>NOTICE:</b> Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. Any claim shall be deemed waived unless made in writing to us within fifteen (15) days from date it was, or reasonably should have been, discovered.</p>