



SC-30 Acid Stain

Description

SC-30 Acid Stain is made from an acid solution, wetting agents and metallic ions. When this solution is placed on concrete, it can color the concrete (or cement) by chemically combining the metallic ions with particles in the concrete to form oxides.

Uses

SC-30 is designed to penetrate and react with concrete and Westcoat cements, producing a variety of mottled colors. It can be used on both interior and exterior projects, including showrooms, restaurants, cafes, breweries, garages, pool decks, patios and driveways.

Advantages

UV Resistant • Zero VOC's • Unique Colors • Flat Finish • Penetrating • No Film Build-up • Chemical Stain

| Product Data | | | |
|--------------------|--|-------------------|---|
| Packaging | 1 gal jug | Colors | Aqua, Autumn Leaf, Avocado, Black, Blonde, Bronze, Canyon, Chestnut, Chocolate, Mint, Walnut |
| Coverages | ~200-400 ft ² /gal on Most Surfaces | Mix Ratio | N/A - May be thinned with water if needed (see "Thinning" paragraph for further information). |
| VOC Content | 0 gm/l | Shelf Life | 3 years in unopened packaging |

Inspection

Substrate must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion.

Moisture

All concrete should be tested for moisture before applying a seamless coating. If moisture emissions exceed 5 lbs/1000 square feet (ASTM F1869) or if the relative humidity (RH) exceeds 75% (ASTM F2170), contact the manufacturer before application.

Preparation

For concrete, the surface should be at least 2500 psi and have cured for a minimum of 28 days. Prepare concrete to a profile equal to CSP 2-3. The concrete should be porous and be able to absorb water. Prior to starting work, test existing concrete slab for efflorescence, moisture and hydrostatic pressure. Prepare surface by sanding, power washing and/or power scrubbing to achieve a clean, uniform surface that will allow product to soak in and react with the cement in the concrete. Acid washing is not recommended and will be detrimental to the final effect. Clean surface entirely with TSP and/or a degreaser and rinse completely several times with clean water.

DISCLAIMER: PURCHASER'S SOLE AND EXCLUSIVE REMEDY AGAINST THE MANUFACTURER OF WESTCOAT, SHALL BE LIMITED SOLELY TO THE REPLACEMENT OF ANY DEFECTIVE MATERIAL OR A PAYMENT BY THE MANUFACTURER IN AN AMOUNT EQUAL TO THE COST OF THE ORIGINAL MATERIAL.



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SPECIALTY COATING SYSTEMS

**PRODUCT
SPECIFICATION**

SC

SURFACE COAT
PROTECTIVE SEALERS & STAINS

SC-30 Acid Stain

Thinning

Thin SC-30 with up to 5 parts of water for staining concrete and up to 20 parts of water when applying over Westcoat cements. Always do a sample before beginning the job. Thinning will effect the depth of color.

Coverage

The coverage will vary depending on the surface. Apply as thin as possible at 200-400 square feet per gallon on most surfaces, depending on the strength and porosity of the concrete and desired color.

Applying Product

Before beginning any project, it is recommended that a mock-up be installed, to help indicate the overall look and finish.

Using an acid-resistant sprayer with a conical tip, spray the SC-30 Acid Stain onto the surface evenly. Immediately after spraying, brush or broom the material into the concrete in a circular fashion. For best results, avoid brooms with stiff bristles, as they can cause the stain to fling onto undesired surfaces, such as adjacent walls. After brooming in the stain, you may spray the surface again lightly. This can help reduce the chance of broom marks. The surface may be pre-dampened with water to increase the movement of the acid.

Whether brushing or brooming, do so consistently, as it will affect how the acid reacts. As you brush the acid, it will foam and react with the concrete. Varying degrees of foaming will occur and some colors may not show right away. Apply fresh acid ahead of the brush. The foamed material should not be applied to an untreated area, as it will not chemically stain the surface properly. Additional applications may be done to darken the surface further, after the first application has dried. (You may also work 2 to 3 colors into the surface to achieve a unique look).

Once the surface has reacted and dried (usually 2-6 hours), you must scrub with water and rinse off all residue completely. This could be considered the most difficult part of the application. You can take advantage of this time to confirm the color, as the water will simulate the "wet look" of most sealers. Additional stain may be applied at this point, but you need to rinse again. Make sure to scrub, mop and completely rinse the surface 2-3 times and wet vacuum until dry. Be sure to safely and properly dispose of the residue.

Failure to completely remove all residues prior to sealing the surface will cause appearance defects, adhesion loss or peeling, reduced durability and possible bonding failure and delaminating of the sealer.

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Clean Up

Uncured material should be removed with soap and warm water. Cured material should be removed mechanically or with an environmentally-safe solvent.

Health Precautions

Inhalation of vapor or mist can cause headache, nausea, irritation of nose, throat and lungs. Prolonged or repeated skin contact can cause slight skin irritation.

*Caution - This product contains hydrochloric acid. Wear goggles and rubber gloves when handling. Mask out all surrounding surfaces and be sure that area is well ventilated. Store unused material in plastic containers only. Metal containers must not be used.

Limitations

- This product is designed for professional use only.
- Do not apply at temperatures below 50°F or above 90°F.
- Be sure to paper off any areas that you do not want stained.
- Will not hide imperfections or stains in concrete.
- Acid Stain will stain concrete and can produce a mottled look. Colors and effects will vary.
- Older concrete may not accept stain.
- Acid Stain will fade over time with prolonged exposure to sunlight.
- Do not allow any Westcoat products to freeze.

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