westcoat™
SPECIALTY COATING SYSTEMS

SYSTEM SPECIFICATION

SC SURFACE COAT
PROTECTIVE SEALERS & STAINS

Acid Stain System

Description

SC-30 Acid Stain System 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 cement, 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

- Fast Drying
- Unique Colors
- Flat Finish
- Penetrating
- Permanent
- No Film Build Up
- Chemical Stain

Packaging

SC-30 Acid Stain (1 and 5 gallon pails)(8 oz samples available)
SC-70 Acrylic Lacquer Sealer (1 and 5 gallons pails)
SC-75 Polyurethane Sealer (1 and 5 gallon pails)
EC-31 Epoxy Clear Topcoat, Interior Only (1½ and 15 gallon kits)
EC-95 Polyurethane Topcoat (1 and 10 gallon kits)
EC-100 Polyurea Topcoat (1½ and 15 gallon kits)

Colors

Aqua	Mint
Avocado	Bronze
Canyon	Autumn Leaf
Chestnut	Chocolate
Walnut	Black

INSPECTION / PREPARATION

Inspection

Concrete must be clean, dry, and free of grease, paint, oil, dust, curing agents, or any foreign material that will prevent proper adhesion. The concrete should be at least 2500 psi and feel like 60 to 80 grit sandpaper. The concrete should be porous and be able to absorb water. A minimum of 28 days cured is required on all concrete. Prior to starting work, test existing concrete slab for efflorescence, moisture, and hydrostatic pressure.

Preparation

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 in 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.

APPLICATION

Thinning

SC-30 can be thinned 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 strength.

Applying Product

Using a plastic garden sprayer, 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.

Whether brushing or brooming, do so consistently, as it will effect how the acid reacts. As you brush the acid, it will foam and react with the concrete. Varying degrees of foaming will occur in different areas and color may not show right away. This is a chemical reaction and some colors react slower than others. You must continue to apply fresh acid ahead of the brush. Once the foaming has stopped, the acid reaction is complete. Make sure to apply fresh material to each new area. The foamed material should not be applied to the 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 wish to 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 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 solvent-based sealers. Additional stain may be applied at this point, but you need to rinse again. Make sure to scrub, mop, completely rinse the surface and allow to 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.

Sealers

- For exterior textures that require the "wet look" apply SC-70 Acrylic Lacquer Sealer.
- For greater chemical, mar and UV resistance, apply SC-75 Polyurethane Sealer.

SC-70 and SC-75 may be applied by spraying, brushing, or rolling with a 1/2 to 3/4 inch nap non-shedding roller cover at the rate of 200-300 square feet per gallon. For added slip resistance add up to 1 quart of CA-30 Safe Grip per 5 gallons of sealer. Silica sand may be broadcasted when extra traction is needed. Quantities may vary. See Product Specification Sheet for thinning and detailed instructions on these products.
(SC-75 not recommended over smooth surfaces)
(SC-41 not recommended over acid stain)

Interior Sealers

- EC-31 Epoxy Clear Topcoat for interior textures that require a high build.
- EC-95 Polyurethane Topcoat may be installed over the EC-31 for the ultimate high build, mar, and chemical resistant finish.
- EC-100 Polyurea Topcoat may be used as a 5 hour dry time high build mar and chemical resistant finish.

Please read entire Product Specification Sheet before applying each sealer and review carefully the details on thinning and proper application. A sample should always be done to confirm gloss, build, and compatibility with surface being coated. Some products will whiten and/or peel if moisture is present in the substrate.

Caution: All of the above sealers will make the surface slippery. Please be aware of the existing texture of the concrete and how the sealer will change the look and feel. Do a test area before beginning the project.

Sealer Drying Time

Allow 2-6 hours between coats, 12-24 hours before light foot traffic. Normal foot traffic may be permitted after 24-48 hours. For vehicle traffic allow 72 hours. See individual Product Specification Sheet on each sealer for accurate dry times.

Clean Up

Uncured material can be removed with soap and water. If cured, material can only be removed mechanically, or with an environmentally-safe solvent.

MAINTENANCE

Waxing

To enhance the gloss, and for basic maintenance, liquid floor wax may be applied over the sealer, or in lieu of. Use liquid floor wax on interior floors only. Be sure to apply the wax in thin coats and buff as needed. Contact Westcoat for more maintenance information.

The system should be inspected for wear every 2 to 4 years. The system should be resealed with the appropriate Westcoat clear sealer every 3 to 5 years depending upon traffic and UV exposure.

LIMITATIONS

- Concrete must be free of sealers, wax, or curing agents.
- Apply in thin coats.
- Do not tint.
- Works best over smooth concrete.
- Will not hide imperfections or stains in concrete.
- Product will stain concrete and produce a mottled look.
- Acid Stain may fade with prolonged exposure to sunlight.
- Colors and effects will vary.
- Read Product Specification Sheets for every product you will be using before beginning the project.
- Do not apply at temperatures below 40°F.
- Older concrete may not accept stain.

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

SC-30 contains hydrchloric acid. Wear goggles and rubber gloves when handling. Mask out all surounding surfaces, and be sure that area is well ventilated. Store unused material in plastic containers only.

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.

westcoat™ 770 Gateway Center Drive San Diego, CA 92102
800•250•4519 • Fax 619•262•8606 • westcoat.com