

CHEMTONE MASONRY STAIN

COLOR ETCHING SOLUTION

CHEMTONE MASONRY STAIN is a blend of water and mineral compounds that react with substances already present in the concrete, polymer overlay, or self-leveler, "etching" the color into it. This reaction creates permanent insoluble color effects that resemble marble or natural stone. Variations and inconsistent color are expected, as this chemical reaction will react different on every application or surface.

PACKAGE SIZES/COVERAGE

- 1 gallon of ChemTone Masonry Stain covers approximately 200 square feet.

LIMITATIONS

ChemTone Masonry Stain will not hide cracks, blemishes and or other construction errors. The color produced by ChemTone Masonry Stain will vary from surface to surface, and it is dependant on, concrete mix, water/cement ratio, weather, application method, experience of applicator, number of coats applied and general condition of the concrete itself, such as porosity, smoothness and cleanliness. There are some concrete surfaces that will not accept ChemTone Masonry Stain, always test surface prior to application. These instructions are only a general guideline to use ChemTone Masonry Stain and do not replace field experience or established industry standards. Test before use.

PREPERATION

EXTERIOR SURFACES

All curing agents, sealers, coatings, oil, grease, waxes or water repellants must be removed prior to application. Exterior concrete should be cleaned and degreased then pressure washed. After cleaning, surface should be tested for water absorption, wet the surface and observe if water beads on any areas, water beading indicates there is still sealer, oil or other contaminant on the surface, re-clean and test again. Some exterior surfaces that are worn out, spalled, or oil soaked, may not react with the stain. Always test area for color and reaction prior to application. Green color stains, are not recommended for exteriors, or concrete that has cured for less than 3 months.

Never acid etch concrete before applying stain.

INTERIOR SURFACES

All curing agents, sealer, paint, wax, carpet glues, oil and water repellants must be removed before applying stain. Interior floors may be cleaned be either mechanical or chemical means. Stripping the floor using a stripper with a floor buffer and a black pad is a very effective way to prepare floors for acid staining. It opens up the concrete pores, provides deep cleaning and leaves the surface ready to be stained. After cleaning, thoroughly rinse surface with clean water until all the residue is removed. Always test area for color and reaction prior to application.

Never acid etch concrete before applying stain.

NEW CONCRETE

New concrete must be cured for at least fourteen days; Color hardener may be used on new concrete to achieve lighter, brighter colors. No liquid curing agents should be used in surfaces to be stained. New concrete should be cleaned the same as old concrete.

APPLICATION

All surfaces must be dry, prepared and tested. Apply stain at full strength. Shake well and pour into acid resistant sprayer, keep constant pressure and hold tip of sprayer from eight to twelve inches from concrete surface and spray one coat evenly into slab, after the stain dries apply a second coat, this time while one person sprays, another person should scrub with a brush to work stain into concrete. Two coats are required, apply at full strength. More coats to deepen the color may be applied the same way. Let stand for at least four hours between coats so the stain achieves its maximum coloration, then neutralize and seal.

NEUTRALIZATION

After ChemTone Masonry Stain has dried for twenty-four hours, or overnight, the surface must then be scrubbed and cleaned with water and baking soda or an ammonia-water solution (1 part ammonia to 10 parts water). Scrub entire surface and then rinse well with clean water. Be sure to protect adjacent areas from run-off. Remove all residues and allow drying before sealing.

FACTS

- ChemTone Masonry Stain does not contain Hydrochloric Acid and has no acid fumes and may be shipped as non-hazardous material.
- ChemTone Masonry Stain works by chemical reaction; some concrete may not react with it due to the presence of water repellants, curing compounds or other unknown contaminants invisible to the eye.
- ChemTone Masonry Stain needs time to react, some colors show immediately, while others take as much as an hour or more to react. If the stain is applied in hot conditions, or exterior floors, it may dry too quickly, thus, not allowing the chemical reaction to occur. In this case it is recommended to apply the stain early in the morning or late in the evening, or at night.

CAUTION!

Read MSDS before application and use. This is an acidic liquid. May cause skin, eye or respiratory irritation, may be harmful if swallowed. Keep away from children. Do not permit runoff during application. Do not get into eyes, skin or clothes; wear protective clothing, goggles and rubber gloves during handling and application. Use with adequate ventilation. Store containers upright in a well ventilated area.

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