



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

KEMIKO® STONE TONE CONCRETE STAIN

Description

KEMIKO® Stone Tone Concrete Stain is an acid base, single component product that provides a decorative, low maintenance floor finish, and is 0-VOC. This specially formulated stain chemically bonds metallic ions with the lime component in the concrete to form various colors that are permanent. Stone Tone Stain transforms an ordinary concrete slab into a luxurious floor at a fraction of the cost as compared to marble or glazed stone.

Applications

KEMIKO® Stone Tone Concrete Stain may be applied to properly prepared and thoroughly cleaned concrete and cement/plaster materials that contain sufficient cement/lime necessary for a color reaction. Typical applications include driveways, patios, walkways, entrances, dining areas, rock work, and many other interior/exterior applications that desire a quality cost-effective color enhanced floor appearance.

KEMIKO® Stone Tone Concrete Stain reacts with minerals already present in the concrete, giving the look and feel of natural stone. Each concrete slab accepts the stain in varying degrees of intensity, creating stunning, multi-hued color variations and an uneven surface that looks perfectly aged. Whether working with a neo-classic, Southwestern, eclectic, or strictly traditional décor, Stone Tone Stain adapts to enhance any setting.

Due to the chemical make up of black acid stains, particulates are commonly found. We recommend straining all acid stains before application. This process will not affect the finished color. Straining is common practice in the industry and is recommend by stain manufacturers and applicator training courses. It helps optimize the performance of your application equipment and will help achieve your desired finish.

Physical Characteristics

Packaging	1 ^s , 5 ^s , 55 ^s
Coverage	400-800 ft ² /gallon 37-74 m ²
Equipment	Plastic garden sprayers, medium soft or stiff bristle brushes 10"-12" width, plastic tubs or plastic paint pans. Roller dolly fitted with rubber casters to move stain container.
Topcoats	Stone Tone Sealer II, Stone Tone Wax, Easy Shine Sealer, Sta Crete® Series SS1600 & SS3700 Epoxy, Sta Crete® SS2700 Polyurethane Series. Adds depth and luster to finish/stained floor.

Surface Preparation Concrete –

If the concrete is in good condition, has never been treated (with integral or surface treatments such as a curing agent), is clean and free of any deleterious matter, and has cured to a uniform light color – free from all moisture and alkali spotting, no preliminary treatments are necessary. If cleaning is necessary, use KEMIKO® Neutra Clean. Do not acid etch surface whatsoever. If the stain does not take, the surface is still dirty, is sealed, or is too heavily aged to have reactive materials available for staining process, additional cleaning, stripping of the sealer, or sanding will be required.



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Application Methods

Dilute the stain with an equal part of water. If using a sprayer, spray stain evenly and continuously over surface, but do not puddle the stain. If a puddle should occur, do not attempt to correct it. When first application of stain is dry, apply second application in same manner as first. When applying second application, if color shows considerably lighter on certain areas when wet with stain, apply additional stain to light area. Again do not attempt to correct any puddles that may occur. If using brush, apply stain liberally and quickly to area which can be covered by a brush full of stain. Rotate brush gently in a circular motion, keeping it in contact with the surface to avoid spatters and runs. Keep stain container on concrete, but close to work surface to prevent dripping. Stain will foam for a few seconds as it reacts with the concrete. As foaming takes place, continue expanding area very slightly to outer edges. When foaming stops, do not spread stain to uncolored section. Use a fresh brush full of material to stain uncoated surface, working well back into completed section to avoid lap marks. Maintain a wet edge throughout the procedure. Do not track stain onto pavement, which is to remain uncolored. Do not use metal containers!

Note -

Allow applications of stain to dry before removing residue. Test the uniformity and depth of color by wetting the surface in several places with a wet cloth. If color is not sufficiently deep or uniform, apply a third application of stain. In warmer weather, apply stain early in the morning when concrete is coolest. There will be powdery residue formed from the reaction of Stone Tone Stain on the concrete. This must be removed after final application of stain has completely dried. Scrub using a stiff bristle brush with KEMIKO® Neutra Clean or water with baking soda. Remove water by mopping, vacuuming or use of squeegee. The rinse water may contain acid residue and have the capacity to stain; special care must be taken around foliage and any surface, which does not require staining process.

Safety -

CAUTION! CONTAINS ACID, HIGHLY CORROSIVE! Use safety goggles, rubber gloves and protective clothing.

Contact EPMAR for any additional application information.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

Service is part of our formula

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