



Concrete  
Coatings &  
Floor Systems

## APPLICATION BULLETIN

### Kemiko® Stone Tone Concrete Stain (37 Series)

#### Description

Kemiko Stone Tone Concrete Stain is a true acid based, single component stain. The 0 VOC product provides a decorative low maintenance floor finish that looks different on every floor. This specially formulated stain works by chemically bonding specific metallic ions with the lime component in the concrete to form various colors that are actually permanent. Stone Tone Stain transforms any ordinary concrete slab into a luxurious floor at a fraction of the cost as compared to marble or glazed stone. Whether working with a neoclassic, Southwestern, eclectic or strictly traditional décor, Stone Tone Stain adapts to enhance any setting.

#### Applications

Kemiko Stone Tone Concrete Stain may be applied to properly prepared and thoroughly cleaned concrete or 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 yet cost effective color-enhanced floor appearance. Stone Tone 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. This variance creates stunning, multi-hued colors and replicates a surface that looks perfectly aged. It is mandatory that a top coat is applied to this product. Kemiko offers many single component and two components topcoat systems that are compatible with Stone Tone Stain.

#### Surface Preparation Concrete

Surface must be cured, dry and free from stains and laitance. All visible oil, grease or any other contaminants must be removed prior to application of coating. Surface preparation includes using concrete grinding and shot blasting to achieve a surface profile of CSP 3. The concrete should have a slight texture for the coating to achieve proper penetration and reaction of the stain with limestone in the concrete. Do NOT use acid etching to prepare concrete surface. Clean surface and ensure that all dust, debris and other contaminants have been removed. Check concrete preparation by applying water over a small area of the concrete surface, especially in areas that had oil and grease stains. If water beads on the surface, additional surface preparation is needed. If concrete darkens with no water beading on the surface, then the surface is ready to be coated.

Stone Tone Stain will react differently with different types and ages of concrete. It is advisable to test a small area before starting the job to ensure that the substrate is compatible and provides the desired color with this product. For uniform staining, use Kemiko Buildable Overlay so that the entire area to be stained has a fresh new cementitious substrate for Stone Tone Stain to react with.

#### Existing Coatings

This product is not intended for application over existing coatings.

**Warning:** *Wear a NIOSH approved respirator to control toxin exposure. Scraping, sanding or removing old paint may release toxic lead dust. Exposure may lead to serious illness, such as brain damage, especially in children. Pregnant women should avoid exposure. Clean up carefully with a HEPA vacuum and a wet mop.*

#### Mixing Instructions

Shake well prior to use. If settling is visible, strain material prior to use. Avoid getting material on unwanted areas including hands and skin.



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#### Application Instructions

Great care should be taken when using this product. This product can be applied using several different methods, outlined below. Tape off any area that does not require a coating. Ensure proper ventilation prior to application of product. Apply 1-2 coats at the recommended wet film thickness, allowing up to 24 hours after dry to touch state has been reached between coats. Uneven applications will provide different shades of stain absorption. Thinning material will reduce intensity of colors. Allow applications of stain to dry before removing residue.

Once dry, test the depth of color by wetting the surface in several places with a wet cloth. If color is not sufficient, apply additional applications 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 and Kemiko Neutra Clean or water with baking soda to neutralize the stained concrete. Remove water by 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.

Test a small area first to ensure that the desired color is achieved prior to application of the entire area. Do not puddle material. Do not apply in direct sunlight. Do not apply during rain or fog. Stone Tone Stain requires additional top coat. Kemiko offers a wide range of top coat choices that are compatible with Stone Tone Stain.

**Brush** Use high quality bristle brush for best film properties

**Roller** Use lambswool or similar cover with phonolic core, 1/4" nap. De-lint roller prior to use

**Spray** Use low pressure, conventional pump-up sprayer with cone tip or airless sprayer

#### Clean Up

Use warm water and mild soap to clean tools, hands and skin

#### Environmental Conditions

Apply between 50°F-100°F (10°C-32°C) and 5°F (3°C) above dew point. Avoid using in direct sunlight. Do not apply on rainy or foggy days.

**NOTE:** Stone Tone Stain colors Aqua and Green Lawn are not recommended for outdoor use.

#### Storage Conditions

Store between 50°F-100°F (10°C-32°C). Keep in a cool, well-ventilated area, away from direct sunlight and heat. Store in a segregated and safe area, avoiding all possible sources of ignition.

#### Safety

Care should be taken when using this product. During application, use proper protective equipment including, but not limited to: protective eyewear, proper respirator and protective gloves. Ensure work spaces are well-ventilated. Refer to the Technical Bulletin for technical information. Refer to product label and SDS carefully for more detailed safety information prior to use or handling.



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#### Disclaimer

*Information provided in this Technical Bulletin is based on laboratory testing and is used as a guideline only. Customer should test the material for their specific application and under their application conditions before using the product on a project.*

#### 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.

**Contact EPMAR for any additional application information**



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