



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

KEMIKO® REPELS LOW VISCOSITY SILOXANE

Description

Kemiko® Repels is a 0-VOC, extremely user-friendly, waterborne silane/siloxane emulsion for sealing Kemiko Stone Tone Stained concrete and other cementitious substrates. Kemiko® Repels is a water viscosity, single component product that is formulated to repel water, reduce efflorescence and frost damage, allows substrate to breathe, has very little or no odor, does not contain solvents, and preserves stained concrete color. Kemiko® Repels is resistant to UV and high alkalinity exposure.

Applications

Kemiko® Repels is applied to properly prepared stained and bare concrete, new and existing stucco finishes, fired clay brick, and many other cementitious mortars. Typical applications include commercial and residential driveways, walkways, facades, pool decks, stamped and stained concrete, new architectural poured in place and precast concrete, and many other horizontal and vertical above-grade exterior surfaces requiring additional protection. Excellent replacement product for high VOC solvent base water repellents and sealers with excellent wetting properties.

Performance

VOC	0 g/l
Allows Substrate to Breathe	No Whiting or Delamination
Excellent Leveling & Flow	Brush, Roll and Spray Applications

Physical Characteristics

Volume Solids	5.5%
Packaging	1 ^s , 5 ^s , 55 ^s
Flash Point	None
Gloss	Clear Flat (Natural Sheen)
Dry Time	@70°F. 50% RH 1 hour to Recoat 4 hours Foot Traffic 24 hours Heavy Traffic 48 hours Full cure (Washability)
Appearance	Milky-White Liquid
Coverage	Stained Concrete: 100-150 ft ² /gal – per coat (2) Bare Concrete: 120-175 ft ² /gal – per coat (2). Precast Concrete: 120-175 ft ² /gal – per coat (2). Brick: 100-125 ft ² /gal – per coat (2). Colored Stucco: 100-150 ft ² /gal – per coat (2). Concrete Block: 60-80 ft ² /gal –1st coat, 100-150 ft ² /gal –2nd coat.
Thinning	None Required. Use mild soap and tap water for cleanup.



Epoxy &
Polyurethane
Manufacturing and
Research

TECHNICAL BULLETIN

**KEMIKO® REPELS
LOW VISCOSITY SILOXANE**

Surface Preparation

Concrete –

All visible oil, grease, sludge, stain residue and any other contaminants shall be removed prior to any Kemiko® Repels application. Surface shall be cured, dry and free from alkali stain and laitance. **Mask all glass and metal surfaces – THESE SURFACES MUST BE PROTECTED FROM CONTACT WITH THIS PRODUCT!**

Application Methods

Brush –

Use top-quality china bristle brush for best film properties.

Roller –

Lambswool or similar cover with phenolic core, ¼ - ½ inch nap thickness.

Spray –

Commercial conventional air spray or airless spray equipment utilizing spray gun tip size between .013”-.015”. Adjust pressure for proper atomization. Maintain consistent spray pressure. On vertical surfaces, start at bottom; apply a fog coat followed immediately by a saturation coat.

Environment –

Apply between 50°F. – 100°F. and 5°F. above dewpoint. Do not store in direct sunlight. Protect from freezing. Do not apply if rain is forecast within 24-hours of application. Do not apply to asphalt, glazed brick or glazed tile. Do not apply to wet or frosted surfaces.

Safety –

May be irritating to eyes and skin! Wear gloves and eye protection during application. Areas such as pool decks, sloped driveways, or other surfaces subjected to water may become slippery if coated with Kemiko® Repels. If you must seal these surfaces, keep the sealer film build-up to a minimum.

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

Epmar Corporation

13210 Barton Circle, Santa Fe Springs, CA 90605-3254

Ph: 562.946.8781 / Fax: 562.944.9958

E-Mail: epmar@quakerchem.com Web Site: www.epmar.com

Rev 8/18/11