



Concrete Coatings & Floor systems

TECHNICAL BULLETIN Kemiko® Repels Silane/Solixane Sealer (K51-1)

Description

Kemiko® Repels (K51-1) is a 0-VOC, extremely user-friendly, waterborne silane/siloxane emulsion for sealing Kemiko® Stone Tone Stained concrete and other cementitious substrates. Kemiko® Repels Sealer 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 and natural gloss. Kemiko® Repels Sealer is resistant to UV and high alkalinity exposure.

Applications

Kemiko® Repels K51-1 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. Not formulated to be applied over previously sealed substrate, non-porous substrate, Kemiko® Dyes or Rembrandt™ Polymer Stain.

Physical Characteristics

Kit Size	1.0Gal kits available
Colors Available	Milky White (Dries clear)
Volume Solids	5.5% (theoretical)
VOC Contents	<50 g/L (theoretical) Compliant to SCAQMD Rule 1113
Specific Gravity	1.0 (theoretical)

Application Characteristics

Mix Ratio By Volume	Not Available / Does Not Apply
Pot Life	Not Available / Does Not Apply
Film Thickness	2-4 mils (0.04-0.10mm) wet film thickness (WFT)
Coverage Per Kit	1.0Gal: 400ft ² -800ft ² (37.2m ² -74.3m ²) @ 2-4 mils (0.04-0.10mm) WFT Note: Coverage rates will vary depending on surface texture and porosity
Dry/Recoat Time	Dry to Touch: 1-2 hours Light Foot Traffic: 2-3 hours Heavy Traffic: 24-36 hours Recoat Window: Within 24 hours after product reaches Dry to Touch Time
Gloss	Natural sheen
Thinning	Do not thin product
Clean Up	Clean tools with warm water and mild soap
Shelf Life	24 Months from manufacturing date
Note: Testing was performed at 77°F (25°C) and 50% RH. Product characteristics will vary depending on temperature, humidity and other conditions relative to the environment.	



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Packaging Description

Weight per Kit:

1Gal kit: 8.3Lbs (3.78kg) / 1.0Gal (3.79L) of product in a 1 gallon (3.79L) container
5Gal kit: 41.7Lbs (18.91kg) / 5.0Gal (18.95L) of product in a 5 gallon (18.95L) container

Environmental Conditions

For best results, apply when surface temperature is between 50°F- 85°F (10°C-29°C) and 5°F (3°C) above dew point. Avoid using in direct sunlight. Do not apply on rainy or foggy days.

Clean Up

Use warm water and mild soap to clean tools.

Storage Conditions

Store between 50°F-100°F (10°C-37.8°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 protective eye wear, proper respirator and protective gloves. Ensure work spaces are well ventilated. Read product label and SDS carefully for more detailed safety information prior to handling or use.

Disclaimer

Information provided in this technical bulletin is based on laboratory testing under controlled ambient conditions 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 that 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 us for any additional application information.



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