



Concrete Coatings & Floor Systems

APPLICATION BULLETIN

Kemiko® Clear-A-Thane Gloss (K56-1), Satin (K57-1)

Description

Kemiko Clear-A-Thane is a waterborne, low viscosity, low odor, single component acrylic urethane polymer that can be used to protect bare concrete, Stone Tone Concrete Stain acid stained concrete, and Rembrandt Acrylic Polymer stained concrete. This user friendly, easy-to-apply coating is designed to be a waterproofing sealer for horizontal and vertical cementitious substrates such as concrete and masonry. This product offers benefits such as low VOC, chemical resistance, stain resistance and UV resistance. Clear-A-Thane is available in clear gloss and satin finishes. It is an excellent replacement product for high VOC lacquers, acrylics and varnishes.

Applications

Kemiko Clear-A-Thane can be applied over properly prepared concrete, Kemiko Stone Tone Concrete stains, and Rembrandt Acrylic Polymer stains as a resilient protective finish coat. Typical applications include commercial and residential cement floors, hospitals, showroom floors, schools, shopping malls, patios, walkways and many other interior/exterior surfaces requiring additional protection.

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, shot blasting, abrasive pads, orbital sanders and acid etching. If acid is used, neutralize surface with Kemiko Neutra Clean (diluted 1:1 in water), scrubbing the wetted surface with a hard bristle broom. Rinse with clean water and pick up residue with a shop vacuum. If using mild mechanical abrasion techniques, use a concrete grinder, shot blasting machine, nonwoven abrasive pads (maroon or green in color) or orbital sander with sandpaper (100 – 150 grit) to achieve a surface profile of CSP 1-2. Clean surface and ensure that all dust, debris, and 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. It is advisable to test a small area with sealer before starting the job to ensure that the substrate is compatible with this sealer choice.

Existing Coatings

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. For best adhesion, the existing coating must be scuffed with a nonwoven abrasive pad (maroon or grey in color) or orbital sander with sandpaper (150 – 220 grit) to achieve a rough surface profile. Clean area and wipe existing coating with a rag and acetone to ensure that all oil, grease, or any other contaminants have been successfully removed. If existing coating is not a Kemiko product, consult with a Kemiko representative prior to application.

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. No additional mixing is required.



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Application Instructions

This product can be applied using several different methods, outlined below. Tape off any area that does not require a coating. Apply 1-2 even coats at the recommended wet film thickness, allowing up to 10 hours after dry-to-touch state has been reached between coats. Do not let material puddle. Do not thin material.

- 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. Use warm water and mild soap to clean hands and skin.

Environmental Conditions

Apply between 50°F-80°F (10°C-27°C) and 5°F (3°C) above dew point. Avoid using in direct sunlight. Do not apply on rainy or foggy days.

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.

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



Epmar Corporation
13240 Barton Circle, Whittier, CA 90605-3254
Ph: 562.946.8781 / Fax: 562.944.9958
www.epmar.com / www.kemiko.com