



Description

Kemiko Buildable Overlay is a single component, high-performance cementitious overlay with superior adhesive properties. It provides a new, refreshed cementitious surface over worn interior or exterior concrete. Buildable Overlay can be dyed, acid stained, acrylic stained or integrally colored. This product can be used with a variety of decorative finishes including stenciling, texturing and broom finish. It is formulated to provide outstanding impact resistance and compressive strength, which is ideal for specification in commercial or residential environments.

Physical Characteristics

Packaging	50.0lb (22.7kg) of product, packed in a 5.0Gal (19.0L) pail
Mix Ratio	One (1) 50.0lb pail of overlay to 1.25Gal (4.70L) water <i>Note: Up to 0.25Gal (0.95L) of extra water may be added to obtain desired consistency</i>
Colors	Light Grey
Coverage	170ft ² -180ft ² (16m ² -17m ²) at 1/16in (.16cm) thickness <i>Note: may be built up to 1/4in (.60cm) thickness</i>
Dry Time	60-75min to touch at 70°F (21°C), 50% RH Light foot traffic in 12-14 hours - Heavy traffic in 20-24 hours
Recoat Time	120min between coats
Compressive Strength	> 3,000psi
Clean Up	Mild Soap, Warm Water

Application

To ensure best performance, surface must be properly prepared, clean, corrosion free and structurally sound. A minimum of CSP#2 or CSP#3 is recommended. Proper floor prep, including addressing any large cracks and chips, will increase product lifespan. For previously sealed surfaces, use a surface grinder or shot blasting tool to remove existing sealer and to open the pores of the concrete to allow proper adhesion. If the surface is not sealed, prep by using a pressure wash coupled with a power floor scrubber fitted with a nylon grit brush. Remove dust and debris created by any prep work by flushing the area with clean water and allow the surface to dry. The overlay should only be applied to clean substrate.

Application 1/16" (.16cm) thickness (Most typical application thickness): Lightly dampen prepped surface with water, not allowing puddles to form. Trowel on mixture to desired thickness. Wait 5-10 minutes to broom or texturize. Allow 1-2 hours to dry and 24 hours before applying sealer.

Application 1/8" (.32cm) thickness or greater: For applications 1/8" or greater, two or more coats are recommended. Saturate surface with water, not allowing puddles to form. Apply the first coat of overlay via trowel to 1/8" thickness and allow 1-2 hours to dry. Repeat the same application for subsequent coats, waiting 1-2 hours to dry between coats. Wait 5-10 minutes after final coat to broom or texturize. Allow 24 hours before applying sealer.

Note: Integral colorants may be added to the overlay mix, as necessary.



Concrete Coatings & Floor Systems

TECHNICAL BULLETIN

Kemiko® Buildable Overlay

Mixing

Use of a clean, metal bucket for mixing is recommended to prevent shavings from falling into the mix from a plastic bucket. In a large container, add 1.25g (4.7l) of water to one (1) 50lbs (22.7kg) pail of Kemiko Buildable Overlay. Do not over-dilute, however up to .25g (.95l) of additional water may be added to obtain desired consistency. Mix thoroughly with a drill and paddle blade attachment, scraping the sides of the bucket, until all dry powder is dissolved. Let product sit for two (2) minutes, then blend the material again for 60 seconds. Apply to substrate immediately.

Tools

A variety of application and finishing tools may be used with Kemiko Buildable Overlay including: Wide bladed or flexible rubber floor squeegees, concrete finishing steel trowels (square or rounded,) Magic Trowel^{®1}, professional spray units, different texturing tools (custom rollers, horsehair brooms, etc.)

Clean Up

Remove excess material with rag or paper towel. Wash hands and tools with mild soap and warm water. Do NOT allow material to dry on tools.

Environment

Apply product between 40°F-90°F (5°C-32°C) and 5°F (3°C) above dewpoint. Keep container tightly sealed to avoid moisture contamination.

Storage

Store product in a cool, dry location. In cold climates, store the product at room temperature. Bring product to a temperature range of 40°F-90°F (5°C-32°C) prior to use. Colder material may take longer to achieve set time, while hot material may set very quickly.

Caution

Avoid Contact with Eyes and Skin. If contact occurs, wash affected area immediately with soap and warm water. If eye contact occurs, flush with plenty of warm water and call a physician. Wear proper personal protective equipment when using this product. Use in a well ventilated area.

Keep Out of Reach of Children.

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 EPMAR for any additional application information



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