

Deco-Stamp Compound

PRODUCT DESCRIPTION

Deco-Stamp is a stampable, polymer-modified, portland cement based overlayment that provides a decorative, easy-to-maintain, trafficable surface. Its durability and weather-ability provide superior protection for concrete substrates subject to pedestrian and vehicular traffic and offers a cost-effective solution to beautify existing surfaces. Whether the substrate is in need of repair and resurfacing or a new construction application, Deco-Stamp's high-performance characteristics and aesthetic appeal ensure years of enjoyment and substrate protection from environmental conditions.

Deco-Stamp offers design flexibility using various stamping, staining and sealing techniques commonly used in stamped concrete applications. Several coloring options are available, whether your project requires integral colorants or post-application coloring techniques. Deco-Stamp offers a versatile solution suited to unique project conditions and application considerations. When used in conjunction with Mer-Ko ARC Membrane system, Deco-Stamp offers state-of-the-art waterproofing protection and aesthetics. The use of Mer-Ko Color Packs creates an integral color base that contributes to a unique aesthetic finish when used in conjunction with various finishing techniques and artistic effects.

Deco-Stamp installs at 1/4 to 5/8 inch (6.4mm to 15.9mm) finished thickness and is designed for use over properly prepared concrete substrates. Overlay material can be moderately sloped for additional drainage and protection against water pooling, and to help prevent elevation problems at doorways, landings, steps, elevator shafts, etc.

CHARACTERISTICS

- Seamless, monolithic wearing surface
- Excellent adhesion to concrete substrates
- Can be installed over new and existing surfaces
- Resists degradation from UV, ozone and weathering
- Easy to install and maintain
- Superior stain resistance
- Long-term durability and performance

COLORS

Deco-Stamp is integrally colored with a variety of Mer-Ko Color Packs. There are 12 standard colors available. Refer to the appropriate Color Selection Guides for additional details on color options for Mer-ko's Antique Release, Colored Hardener and Antiquing Gel products.

PACKAGING

50 lb (22.7 kg) bag

INSTALLATION CONDITIONS

Deco-Stamp should not be installed if the surface or ambient temperature is below 40°F (4.4°C) or above 100°F (37.8°C). Do not install during inclement weather, when precipitation is occurring or expected within 24 hours.

SUBSTRATE PREPARATION

Concrete surfaces require a 28 day minimum cure and must be structurally sound, clean, dry and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application. Concrete control joints should coincide with stress relief concentration points, with a maximum spacing of 20 ft (6.1 m).

TECHNICAL DATA

Coverage Rate	25 ft ² (2.3 m ²)/50 lb bag Yield 1/4" (6.4mm)
VOC	0 g/L (ASTM D3960)
Dry Time	4 hours at 70°F (21°C) 50% RH
Solids by Volume	100%
Solids by Weight	100%
Abrasion Resistance	0.20 gram loss (ASTM D4060, H-22 Wheel, 1,000 gram load for 1,000 cycles)
Adhesion	> 250 psi (ASTM C794)
Compressive Strength	>3,000 psi (ASTM C109) at 28 days cure
Indentation Characteristics	Complies (MIL-D-3134 F)
Resistance to Aging	2,000 hours, No visual signs of failure (ASTM G23, AC 39)
Surface Hardness	84 (ASTM D2240, Shore D)
Tensile Strength	> 625 psi (ASTM D638, ASTM C190)
Thickness	1/4 to 5/8 inch (6.4mm to 15.9mm)
Weight	< 2 lbs./ft ²

Concrete surfaces must be properly prepared. Smooth-non-porous substrates must be abraded. Clean the application area using a power sprayer, grinder, shot blaster or scarifier as required to produce a clean, sound substrate.

The surface must be uniform, free of depressions and ridges. All holes must be cleaned and filled with an appropriate Mer-Ko underlayment. All high spots must be removed by chipping or grinding. All cracks and control joints should be treated using Mer-Ko ARC Waterproofing Membrane with Fiber Tape embedded. See the Deco-Stamp Technical Application Guide for complete installation instructions.

APPLICATION INSTRUCTIONS

Primer Coat

Mixing

Deco-Stamp Primer is ready to mix with water. Using a clean bucket slowly add one 50 lb bag of Deco-Stamp Primer to 1.25 gallons of water. Mix the solution using a hand drill (450 rpm). Mix thoroughly for one (1) minute. While mixing, be sure to incorporate material on the sides and bottom of the mixing container to avoid lumps. Continue mixing until a smooth even consistency is achieved.

Primer Coat-Application

Apply Deco-Stamp Primer mixed with approximately 1.25 gallons of water per 50 lb. bag of over the entire horizontal substrate, using a stainless steel trowel at 1/32 inch to 3/64 (0.8-1.2mm) thickness. Allow the primed area to cure a minimum of 1 hour at 70°F (21°C) 50% RH, prior to commencing with the installation of the Deco-Stamp Compound.

Bodycoat – Application Guidelines

Blending Color Solution

For integrally colored applications, pre-blend the appropriate color pack with 1 gallon of water (for each bag of compound to be mixed) in a clean 5-gallon pail, by slowly adding a color pack while mixing. Mix for 1 minute.

Mer-Ko Color Packs are designed for use at a 1:1 ratio with the Deco-Stamp Compound 50 lb. bag. If lighter or darker colors are desired, simply adjust the amount of color pack(s) used to create the desired color depth for the application. A maximum of two 14 oz. color packs can be used with each 50 lb. bag of Deco-Stamp Compound.

Mixing/Incorporating Solution into the Compound

Using a clean 5-gallon pail, slowly add the Deco-Stamp Compound to the pre-blended solution and mix for a minimum of 15 minutes. While mixing, add the additional water (up to 0.5 gallons additional) for a total of 1.25 to 1.50 gallons per 50lb. bag. Be sure to incorporate material on the sides and bottom of the mixing container to avoid lumps. Let the material stand for five minutes then remix for use. While mixing, adjust the mixture if necessary by adding a small amount of additional water until a uniform, workable consistency is achieved.

Bodycoat – Application

Apply Deco-Stamp Compound mixed with either the pre-blended color solution previously prescribed or water in one or more applications using a stainless steel trowel or by spray, over the entire horizontal surface area at a minimum 1/4" and maximum 5/8" (6.4mm to 15.9mm) thickness. If stamping mats/skins are being used, be sure to broadcast a layer of Mer-Ko Antique Release in a complementary accent color to prevent stamps/skins from sticking and removing material.

Stamping/Texturing

When using stamping mats or texturing skins for aesthetic design, broadcast Mer-Ko Antique Release in a coordinated color across the entire bodycoat application surface, being sure to thoroughly cover the Deco-Stamp material. Then, proceed with stamping impressions using conventional concrete stamping and texturing tools and techniques as selected for the project. Stamping/Texturing must be accomplished while the bodycoat material is still wet. If simulated grout joints are the desired look, allow the material to take set, then using a grout cutting tool, cut controlled depth scored lines to create a flagstone, block or other unique decorative pattern. Make sure the grout cutting is completed while the material still contains moisture and before completely drying.

After drying, if desired, a color-coordinated version of the material can be placed back in the grout joints with the use of a masons grout bag to simulate mortar filled joints. Or optionally, on a dry surface use a grinding wheel to cut controlled depth lines, creating block or other unique finish decorative patterns as desired.

Allow the application to cure a minimum of 12 hours at 70°F (21°C) 50% RH, prior to carefully removing the excess Antique Release, rinse thoroughly and allow the material to dry completely. Sweep the entire deck surface clean of any residual dust or debris, before proceeding with accenting/coloring or topcoat/sealer applications or fully cured before applying Pro-Tect.

CAUTIONS & LIMITATIONS

- Do not install during inclement weather, when precipitation is occurring or expected within 24 hours.
- Concrete substrates must be properly prepared. Non-porous substrates must be scarified.
- Sufficient pitch of the concrete slab/deck surface is required to ensure run-off and prevent pooling.
- In freezing climates, sufficient pitch is required to ensure run-off. When covering a "sandwich slab" or quarry tile deck, provision must be made to vent the envelope created between the existing vapor barrier and the Deco-Stamp.

- Concrete substrates must have a minimum compressive strength of 3,000 psi tested by "point loading" technique.
- Concrete should not contain fly ash. Fly ash will migrate to the surface and interfere with the chemical and mechanical bonding of the material.
- Cementitious materials should be used within 30 minutes, do not re-temper.
- The ARC Membrane should not be exposed for more than 72 hours prior to being covered with the protective coat.
- Not designed for heavy steel wheeled traffic.
- Protect all finished surfaces that are not intended to receive the deck coating system materials.
- When using Mer-Ko Antiquing Gel as an accent colorant, Mer-Ko Clear Seal WBA or WBU should be used as the final topcoat. Do not use Pro-Tect or Mer-Thane clear Topcoats over Antiquing Gel.
- Deco-Stamp provides moderate chemical resistance. Avoid exposure to harsh chemicals or acids.
- Will not bridge seismic cracks or wide construction joints.
- Reflective cracking can occur with substrate movement.
- Mer-Ko Clear Sealer WBA and WBU will enhance, darkening the color level of untreated integrally colored materials.

FIRST AID

EYE CONTACT

Flush eye with water for at least 15 minutes. Get medical attention promptly.

INHALATION

Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

SKIN CONTACT

Wash affected area thoroughly with soap and water. Remove contaminated cloths and launder before reuse.

INGESTION

Do not induce vomiting. Get medical attention immediately.

SPILL

For dry material, collect by sweeping and scooping. Transfer collected material to a container, being careful to minimize creation of dust. For wet material, scoop material up and transfer to an open container. Allow material to dry before disposal. Keep spilled products out of sewers, streams, and water systems.

STORAGE & HANDLING

Store Deco-Stamp materials in a dry environment at temperatures between 40°F and 100°F (4°C and 38°C). Do not store in direct sunlight. Keep Deco-Stamp bags off the ground and prevent exposure to moisture during transport and storage. Promptly clean tools and equipment with water and mild detergent. Always wear proper safety equipment, including particle mask, eye protection, and gloves when mixing and/or applying these products.

SHELF LIFE

The shelf life is one (1) year from the date of manufacture in the original, unopened container when properly stored.

WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or www.parexmer-ko.com.

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