

STAMP MASTER ¼ inch Overlay

Today, Decorative Concrete has become a stylish alternative material for flooring in commercial buildings, exterior landscaping, and interior home updates. Decorative concrete overlays can create an entirely new look, and be the perfect alternative to tearing out an existing slab. Stamped concrete was a technique used mostly on freshly laid colored concrete. For concrete a thin 1/4 inch overlay of Stamp Master can be trowelled on to the existing concrete, then stamped. There are unlimited colors to create from light pastel colors to deep vibrant colors. Stamp Master will not discolor, and can withstand abusive freeze thaw cycles and heavy traffic. A couple of coats of Cornerstone's Premium Acrylic will give the surface a high gloss shine and seal it from salt exposure, chemicals, and staining. Stamped overlays are identical in appearance to stamped concrete, yet it is significantly less expensive.

COVERAGE

Approx. 25 sq. ft. at 1/4 in thick per 50 lb Kit.

Longer Pot Life and Ease of Workability

Stamp Master has a long pot life (up to 2 hours). It retains its smooth consistency longer, even at elevated temperatures. Stamp Master has excellent workability and flow features.

Durability and Strength: Stamp Master is hard, tough and durable for interior and exterior exposure. Stamp Master has superior flexural, tensile, and impact strengths as well as excellent abrasion resistance and adhesion. Ninety percent (90%) of decorative overlays are not resistant to water (hydrolysis). These low-end decorative overlays in time will lose their adhesion and cause de-lamination problems when exposed to moisture, this is a major catastrophe for contractors. Because these overlays are not resistant to hydrolysis, the bond between the decorative overlay and the original concrete will break down, de-laminate and fail generally within 4 years. Stamp Master on the other hand is immune to moisture problems and will not de-bond. In fact shear strength tests show that the concrete itself will break apart before the bond between the concrete and Stamp Master will break.

Adhesion: Stamp Master has excellent adhesion to a variety of surfaces such as new and old concrete, masonry, and brick.

Resistance Properties: Stamp Master is uniform in color and will not yellow or discolor when exposed to exterior environments. Stamp Master has excellent water resistance which decreases spalling, cracking, and surface degradation caused by repeated freeze/thaw cycles. Stamp Master is also resistant to many industrial chemicals.

Curing Advantages: Stamp Master does not require laborious moist-curing conditions for optimum strength. Stamp Master is air-cured at ambient temperatures and relative humidity.

SURFACE PREPARATION

The surface must be clean and sound. Remove all loose and disintegrated material. Remove all types of oil, dirt, dust, mold or mildew, efflorescence, release and curing agents. Patch all damaged areas with Trowel Master or Roll Master to create a smooth surface. Apply 1 coat of Protec III Chem-RX to harden and strengthen existing concrete.

TYPICAL PERFORMANCE DATA

Meets LEED Requirements.

Tensile Strength (psi)	7 day air cure	500
ASTM C190	28 day air cure	950
Shear Bond Adhesion (psi)	7 day air cure	500
	(cohesive failure)	
Compressive Strength (psi)	7 day air cure	3,070
ASTM C109	28 day air cure	5,800
Flexural Strength (psi)	28 day air cure	1,900
ASTM C348		

MIXING/APPLICATION INSTRUCTIONS

Pour liquid component of Stamp Master into a clean five-gallon pail. While mixing, gradually add the dry component. Mix until the 2 components are thoroughly blended. Maximum time for placement should not exceed 20 minutes. Higher air and surface temperatures will decrease working/placement time. Place Stamp Master to a depth of ¼ inch and avoid over-trowelling. Use the trowel with minimal pressure. Once Stamp Master has set up enough to stamp, apply your powder or liquid release and proceed to stamp. A quick way to test if the surface is ready to be stamped is by touching the surface with your fingertip; if Stamp Master does not stick to your hand, it is ready to stamp. Next day pressure wash powder release agent off, if applicable. If clear release is used, surface is ready to be highlighted. Always seal Stamp Master with Cornerstone's "Premium Acrylic." For normal use, allow a 24 hour curing period. For heavy-wheeled traffic, allow a 4 day curing period.

WARRANTY:

We warrant our products to be of good quality and will replace any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. The user shall determine the suitability of the product for the intended use and assume all risks and liability in connection therewith. Therefore, except for such replacement of product, Cornerstone Coatings makes no warranty or guarantee express or implied including warranties of fitness for a particular purpose or merchantability, respecting its products, and Cornerstone Coatings shall have no other liability with respect thereto. This warranty supercedes all other warranties express or implied.

LAST UPDATED: JULY 5, 2011