

A cementitious overlay system designed to produce the look and feel of stamped concrete over existing concrete substrates.

PRODUCT DESCRIPTION

STAMP-TEK™ Stampable Overlay is a premixed blend of special materials that when properly mixed with water and placed on an existing concrete substrate, it forms a thin, cementitious overlay or coating suitable for stamping or texturing just like a standard concrete pour. It is very easy to install and will withstand years of wear. When used on properly prepared surfaces that are primed with DuraSet™ VAE Polymer, STAMP-TEK™ Stampable Overlay will permanently bond to concrete surfaces.

WHERE TO USE

STAMP-TEK™ Stampable Overlay is suitable for overlay applications that require a layer of minimum thickness of ¼" and a maximum of ½" (.63 - 1.27 cm) in thickness. Use any Matcrete® Overlay texture mat, 3 Dimensional Texturing Mat (with a maximum depth of ½") or texture skin along with STAMP-TEK™ Liquid Release, or Antiquing Release to create color and texture on existing horizontal concrete surfaces. It can be used for repair and restoration, or anywhere the look of stamped concrete is desired.

ADVANTAGES

- Easy to Use Single Component, No Separate Polymer Required, Just Add Water
- Abrasion and Wear Resistance Characteristics Very Similar to Standard Concrete Mixes
- Excellent Open Time to Give You the Time You Need.
- Available in white or gray
- Phenomenal Adhesion to Properly Prepared Existing Concrete Substrates

TYPICAL DATA FOR STAMP-TEK™.

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

TECHNICAL DATA

ASTM C-266 Set Time Initial	220 min
ASTM C-266 Set Time Final	376 min
ASTM C-579 Compressive (1 Day)	1724 psi
ASTM C-579 Compressive (7 Day)	3586 psi
ASTM C-579 Compressive (28 Day)	4674 psi
ASTM C-307 Tensile (7 Day)	411 psi
ASTM C-307 Tensile (28 Day)	338 psi
ASTM C-580 Flexural (7 Day)	645 psi
ASTM C-580 Flexural (28 Day)	572 psi
ASTM C-580 Modulus (7 Day)	897 kpsi
ASTM C-580 Modulus (28 Day)	833 kpsi
ASTM C-580 Secant Modulus (7 Day)	567 kpsi
ASTM C-580 Secant Modulus (28 Day)	681 kpsi
ASTM C-932 Mod Bond Test (7 Day) (Unprimed substrate)	225 psi
ASTM C-932 Mod Bond Test (7 Day) Substrate) Failure Mode	Substrate (3:1 Mortar Failure
ASTM C-531 Shrinkage (28 Days) (Curing Conditions 72F, 85% R.H.)	0.0395%
SHELF LIFE	6 months (dry)
PACKAGING	50 lb (22.68 kg) bags 56 bags per pallet

LIMITATIONS

Temperatures should be in the range of 12.8°C and 26.70C (55°F-80°F) before mixing and placing the material. Do not use in extreme temperatures or windy conditions. STAMP-TEK™ Stampable Overlay should only be used on concrete that has been mechanically or chemically abraded. Scarification or shot blasting is preferred if possible. The concrete surface must be primed with DuraSet™ VAE Polymer prior to application to ensure an ideal chemical bond of the two substrates. Applications with a thickness greater than ½" (1.27 cm) are NOT recommended. Although smooth troweling is possible, STAMP-TEK™ Stampable Overlay is NOT designed to be hard-troweled. Hard-troweling can cause the material to blister.

SURFACE PREPARATION:

Surface must be clean and reasonably dry. All crack repair, etc should have taken place prior to pressure washing, scarifying of shot blasting. Cut new control joints as required to prevent cracks transferring through the overlay. Pressure-wash all dust and laitents from the surface to ensure a clean surface. If high temperatures are imminent, the substrate may be misted with water immediately before the installation to cool the concrete. **It is highly advisable to apply a thin skim coat consisting of DuraSet™ 1000/1001 Polymer and G-100 Pro Series Grout Mix to the surface. Coloring of this coat is not necessary. Allow it to dry enough to walk on without causing damage.**

COVERAGE:

1 50 lb bags will typically cover the following:

24 ft² @ ⅜" avg. thickness

18 ft² @ ½" avg. thickness

MIXING

Typical requirements are from 4 ½ to 5 quarts liquid per bag. Mix should be slightly runny with somewhat of a thick buttermilk consistency so that it levels out somewhat when poured onto the surface. If color hardener is

to be used, additional liquid may be necessary. To alter the color of the mix, it is much easier to add C-Series Colorants instead of a Color Hardener. Actual liquid requirements may vary from climate to climate. Mixes are typically in 5-gallon buckets, but larger concrete mixers may be used depending on skill. In either case, mix the material only enough to wet all dry ingredients.

If using a drill powered mixer:

DO NOT MIX AT HIGH SPEEDS TO AVOID ENTRAINING LARGE AMOUNTS OF AIR!

Mix at medium speed until mixtures are wet, and apply to the surface as quickly as possible. Immediately after placing, begin batch mixing continually or as required.

PLACEMENT

Before overlay placement, prime the surface generously with DuraSet™ VAE Polymer using either a short napped roller or weed sprayer. A thin generous coat is all that is required. Make sure that no puddles are present. Over-priming is not necessary or recommended. Priming is recommended with or without a skim coat application.

Pour the material directly onto the surface immediately after mixing. No slaking is required. Using a gauge rake set to the desired depth, rake the material out until it is entirely dispersed. Add new mixes as they are available. When necessary, use spiked shoes to allow walking in the wet material.

After the material has leveled somewhat, use a Magic Trowel® to remove the gauge rake lines. A Fresno or Funny Trowel may also be used, but should be performed only by skilled personnel, and after the material has solidified enough to support the weight, preventing gouges or lines. When the material leaves an indent but doesn't transfer to a finger when touched, it is ready for stamping or texturing.

If Powdered Antiquing Release is to be used, apply at any time prior to stamping but only after the surface has been final smoothed.

If STAMP-TEK™ Liquid Release is to be used, do not apply release until immediately before the stamp is to be applied. Apply a generous amount to the surface and the stamp mat as well. Do not allow puddles to form.

STAMPING/TEXTURING:

Apply stamps or texture mats as required. Do not attempt to walk on the surface without spiked shoes.

CAUTION:

DO NOT WALK ON STAMPS WITH SPIKED SHOES!
MAKE SURE TO SMOOTH SPIKE SHOE MARKS PRIOR TO STAMP PLACEMENT!

Unlike concrete, STAMP-TEK™ Stampable Overlay does not require heavy pressure or extreme tamping. Apply only enough pressure to seat the mat and provide an impression. Mats may be lifted occasionally to check the status of the pattern.

Allow 36-48 hours before foot traffic. Re-cut all control joints to the original substrate to avoid cracking. Remove all powdered release with water, brooms or a pressure washer if necessary. Exercise discretion when pressure washing to avoid damage. Stubborn release can be removed with a 8:1 water to muriatic acid solution applied with a plastic pump sprayer.

If desired, apply CCI Concrete Acid Stains for color variations. Remove residue before sealing.

Allow the overlay to cure for a minimum of 7 days, protect the surface with **Super Seal™ 2000, Gem-Kote™ 100 or Gem-Kote 400 VOC Acrylic Sealers**. For additional sealer options or for additional support, please consult Concrete Coatings Inc Technical Support at 800-443-2871.

MAINTENANCE:

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer and reapplied as needed. A thorough cleaning is recommended prior to resealing to ensure debris or contaminants are not embedded in the subsequent sealer coat(s).

LIMITED WARRANTY

This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. Concrete Coatings Inc. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Concrete Coatings Inc. current published physical properties when applied in accordance with Concrete Coatings Inc. written directions and tested in accordance with ACI, ASTM and Concrete Coatings Inc. Standards. Product proved to be defective will be replaced. User assumes all liability for the acceptability, use, safety and fitness for purpose of this product and Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. **There are no other warranties by Concrete Coatings Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product including wear or service life.** Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others.

FOR PROFESSIONAL USE ONLY

Technical Assistance, Specifications and Sales

CALL Nationwide Toll-Free 1- 800- 443- 2871 Fax 1-801-544-5896