

**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 forms a thin, cementitious overlay or coating suitable for stamping or texturing, similar to a standard concrete pour. It can be used to restore, re-invent or revive, old worn out concrete. When used on properly prepared concrete surfaces that are primed with DuraSet™ VAE polymer, Stamp-Tek™ will permanently bond, and with a psi stronger than most concrete it will withstand years of wear.

**WHERE TO USE**

Stamp-Tek™ Stampable Overlay can be applied to any concrete that has been properly prepared and can accept a thickness of ¼" to a maximum of ½".

**ADVANTAGES**

- Easy to Use Single Component, No Separate Polymer Required, Just Add Water
- Abrasion and Wear Resistance Characteristics Very Similar to Standard Concrete Mixes
- Phenomenal Adhesion to Properly Prepared Existing Concrete Substrates
- Using a wide variety of texturing and coloring options, Stamp-Tek™ can bring to life any concrete with unlimited design options

**TYPICAL DATA FOR STAMP-TEK™.**

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

**TECHNICAL DATA**

|  |   |
|--|---|
| <b>ASTM C-266 Set Time Initial</b>   | <b>220 min</b>                              |
| <b>ASTM C-266 Set Time Final</b>   | <b>376 min</b>                              |
| <b>ASTM C-579 Compressive (1 Day)</b>  | <b>1724 psi</b>                             |
| <b>ASTM C-579 Compressive (7 Day)</b>  | <b>3586 psi</b>                             |
| <b>ASTM C-579 Compressive (28 Day)</b>                                       | <b>4674 psi</b>                             |
| <b>ASTM C-307 Tensile (7 Day)</b>  | <b>411 psi</b>                              |
| <b>ASTM C-307 Tensile (28 Day)</b>   | <b>338 psi</b>                              |
| <b>ASTM C-580 Flexural (7 Day)</b>   | <b>645 psi</b>                              |
| <b>ASTM C-580 Flexural (28 Day)</b>  | <b>572 psi</b>                              |
| <b>ASTM C-580 Modulus (7 Day)</b>  | <b>897 kpsi</b>                             |
| <b>ASTM C-580 Modulus (28 Day)</b>   | <b>833 kpsi</b>                             |
| <b>ASTM C-580 Secant Modulus (7 Day)</b>                                     | <b>567 kpsi</b>                             |
| <b>ASTM C-580 Secant Modulus (28 Day)</b>                                    | <b>681 kpsi</b>                             |
| <b>ASTM C-932 Mod Bond Test (7 Day)<br/>(Unprimed substrate)</b>             | <b>225 psi</b>                              |
| <b>ASTM C-932 Mod Bond Test (7 Day)<br/>Substrate (3:1 Mortar Substrate)</b> | <b>100% Substrate Failure</b>               |
| <b>ASTM C-531 Shrinkage (28 Days)<br/>(Curing Conditions 72F, 85% R.H.)</b>  | <b>0.0395%</b>                              |
| <b>SHELF LIFE</b>  | 12 months (dry)                             |
| <b>PACKAGING</b>   | 50 lb (22.68 kg) bags<br>56 bags per pallet |

**FOR PROFESSIONAL USE ONLY**

**Technical Assistance, Specifications and Sales**

**CALL Nationwide Toll-Free 1- 800- 443- 2871**

**Fax 1-801-544-5896**

**LIMITATIONS:** Ideal application temperatures should range from 45° to 80°F. Avoid applying in the direct sun on hot days. In windy conditions, we recommend the use of evaporation retarder to decrease rapid hydration. Stamp-Tek™ Stampable Overlay should only be used on concrete that has been properly prepared with a minimum concrete surface profile of #5. See International concrete repair institute manual for more information on CSP. Shot blasting is the preferred method of profiling. 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 ¾" are NOT recommended. Stamp-Tek™ Stampable Overlay is NOT designed to be hard-troweled. Hard-troweling can cause the material to blister and delaminate.

**COVERAGE:** 1 50- lb bag of Stamp-Tek™ Stampable Overlay will typically cover the following:

24 ft<sup>2</sup> @ ¼" thick  
12 ft<sup>2</sup> @ ½" thick

1-gallon pail of DuraSet™ VAE will typically cover the following:  
200-300 ft<sup>2</sup> per gallon

**SURFACE PREPARATION:** Surface must be clean and free of all oils, grease, paint, sealers, or anything that would interfere with proper bonding. All crack repairs, scarifying and shot blasting should have taken place prior to pressure washing. All existing control and expansion joints must be honored as they will telegraph through the overlay. Pressure-wash all dust and laitents from the surface to ensure a clean surface. Achieve a SSD (Saturated Surface Dry) condition with water immediately before the installation to cool the concrete and decrease rapid hydration. No standing water should be present upon application. Before overlay placement, prime the surface generously with DuraSet™ VAE Polymer using either a short napped roller or weed sprayer. One generous coat is all that is required. Make sure that no puddles are present.

**MIXING:** Measure 4 to 4.5 quarts water per bag and add to the desired mixing container. Actual liquid requirements will vary depending upon climate and weather conditions. Add dry mix. Using a drill powered mixer with a paddle blade, (or for larger jobs use a large mortar mixer) mix all material at medium speed until completely lump free. Mix should be of a consistency so that it can be placed easily with a gauged rake. If color hardener is to be used, we recommend the use of (Fritz-Pak Control Finish™) to aid in troweling. It is much easier however, to add C-Series Colorants instead of a Color Hardener.

**PLACEMENT:**

Pour the material directly onto the surface immediately after mixing. Using a gauge rake set to the desired depth, rake the material out, but leave a furrow line of material to mix in with the following batch. Wear spiked overlay shoes to allow walking in the wet material.

Immediately after each batch has been raked, use a trowel, float, or Magic Trowel® to remove the gauge rake 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 just prior to stamping.

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 stampable surface and the stamp mat as well. Do not allow puddles to form.

**STAMPING/TEXTURING:** Use any texturing mat or texture skin that does not exceed 1/2 the depth of the applied thickness. Unlike concrete, Stamp-Tek™ Stampable Overlay does not require heavy pressure or extreme tamping. Apply only enough even pressure to seat the mat and provide an impression. Allow 36 hours before foot traffic. Re-cut all control joints to the original substrate to avoid cracking. Remove all powdered release with water and broom, or a pressure washer if necessary. Use discretion when pressure washing to avoid damage. If desired, apply CCI Concrete Acid Stains for color variations after waiting 72 hours. Remove residue before sealing.

Allow the overlay to cure for a minimum of 7 days, protect the surface with **SuperSeal™2000**, **GemKote™ 100** or **GemKote™ 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.