



## **ONE STEP STAMPED OVERLAY**

### **1 Component Stampable Overlay Powder**

#### **DESCRIPTION**

**ONE STEP STAMPED OVERLAY** is a one component preblended product that requires only the addition of water. **ONE STEP STAMPED OVERLAY** can be used horizontally or vertically on existing masonry and concrete surfaces. The material is placed approx 3/8" thick and then stamped with a stamping mat or tool to create a variety of impressions such as stone, brick, tile, etc. The product can be used on interior or exterior floors, driveways, patios, pool decks, etc.

#### **SURFACE PREPARATION**

All surfaces shall be clean and free of dirt, dust, paint, sealers, form release, curing agents, grease, oil or any thing that would inhibit mixed material from coming into contact with the open pores of the substrate. Any anti-adherents must be removed mechanically. Pressure washing, sand blasting, water blasting, grinding & shot blasting are a few good methods for removal. On existing surfaces not burdened with these anti-adherents, pressure washing coupled with acid etching should be considered; especially on smooth, steel troweled or formed concrete. Saturate the substrate with water and allow to absorb. Blow or broom off any puddled water before application. This will give you a saturated, surface dry (SSD) substrate.

#### **MIXING & APPLICATION**

**1) Bonding Primer:** Begin with a properly prepared, SSD substrate. Mix **UNIVERSAL POLYMER CONCENTRATE** 1 to 1 with water. Scrub polymer into the surface with a medium to stiff brush or broom. Make sure to cover all areas that will be receiving the stamp mix. Allow this primer to dry to a clear film. Do not walk on the dried primer unless wearing spikes or golf shoes so as not to pull up any primer film. **2) Add 4 quarts of clean, potable water to a clean 5-gallon pail. Blend in 1 color pigment pack if applicable. Slowly add 50 lb. ONE STEP STAMPED OVERLAY powder and mix for 1 minute to a smooth, lump free consistency. Place material onto primed surface and screed to desired thickness with gauge rake. Smooth out the surface with a Fresno type trowel. Allow the placed material to firm up to accept stamping tool. Fill a metal pump up sprayer with liquid release agent. (8 ounce CEMTEC LIQUID RELEASE AGENT CONCENTRATE mixed with 5 gallons mineral spirits) Fog dry stamp tool with liquid release. Fog placed material with liquid release (only the immediate area to be stamped). Lay down stamp tools and press down to imprint the pattern. Remove stamp tools and allow to cure 24 hours. 3) Antiquing:** Dilute Acrylic Sealer 1:1 with Xylene. Add desired amount of color pigment pack powder and mix thoroughly. Using a strainer, fill metal pump up sprayer with antiquing solution and spray on surface. Allow antiquing solution to dry, then apply 2 coats of non diluted Acrylic Sealer. Allow to cure 7 days before allowing vehicular traffic.

## **PACKAGING**

**UNIVERSAL POLYMER CONCENTRATE: 5 gallon, 55 gallon**

**ONE STEP STAMPED OVERLAY powder: 50 lb bag natural gray, natural white**

**CEMTEC ACRYLIC SEALER 5 gallon, 55 gallon**

**LIQUID RELEASE AGENT CONCENTRATE 8 ounce bottle**

**COLOR PIGMENT PACKS 1 lb 25 colors**

## **COVERAGE**

**50-lb. powder will cover approx. 16 sq. ft. @ 3/8”.**

## **PRECAUTIONS**

**Do not allow UNIVERSAL POLYMER mixtures to freeze.**

**Apply between 40 F and 100 F.**

**Allow 4-7 days of curing time before allowing vehicular traffic.**

**Keep placed material from freezing for 48 hours. Acrylic Sealer is flammable. Use in well ventilated areas!**

## **WARNING**

**Contains Portland cement; avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for 15 minutes, Consult a physician immediately. Keep out of reach of children. Contains free silica - DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information.**

## **TECHNICAL DATA**

### **Compressive Strength ASTM C-109**

<b>7 days</b>	3750 psi
<b>28 days</b>	4080 psi

### **Abrasion Resistance C-944**

<b>1 day</b>	1 grams lost
<b>7 days</b>	1 grams lost

### **Tensile Strength ASTM C-496**

<b>1 day</b>	280 psi
<b>7 days</b>	560 psi
<b>28 days</b>	890 psi

### **Flexural Strength ASTM C-78**

7 days	850 psi
28 days	1500 psi

**Shear Bond ASTM C-882 Modified**

7 days	1100 psi
28 days	1650 psi

**Mortar scrubbed into substrate**