

# WALLSTAMP

## LIGHTWEIGHT CARVABLE OVERLAY



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# WALLSTAMP

## Lightweight Carvable Overlay

### DESCRIPTION

**Wall Stamp™** is a lightweight, single component cement-based overlay designed for both interior and exterior vertical surfaces. When stamped the texture can resemble an array of designs: cut stone, random stone, brick, slate, etc. Alternatively **Wall Stamp** may be textured and “cut” free-hand. It offers restoration, repair, resurfacing, and architectural accenting of existing vertical surfaces. Typical areas include retention walls, entry/accent walls, columns, gable ends, fireplace accents, and any other vertical surface or wall. **Wall Stamp** is formulated to provide excellent bonding to new as well as existing concrete, concrete block, ICF, polystyrene foam, drywall, plaster, plywood, and even painted surfaces

### SURFACE PREPARATION

The principles for surface preparation for **Wall Stamp** are aligned with other cement-based vertical overlays, the substrate must be:

**1. Clean:** The surface must be free of dust, dirt, oil, grease, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker or prevent proper adhesion. Best results may be achieved through the use of **SCR** (see TDS).

**2. Cured:** Any concrete surface must be sufficiently cured to have complete hydration, approximately 7 – 14 days depending on temperatures and humidity.

**3. Sound:** No system should be placed on flaking paint or spalling concrete.

**4. Profiled:** Proper profile for concrete surface should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1 through CSP-4.

Some painted surfaces, likewise, may require some profile for bonding: deglossing or sanding.

The most common means to properly profile a concrete surface or remove loose paint (especially exterior) is through the use a pressure washer equipped with a turbo-tip and **SCR** (see **SCR** TDS).

### TEMPERATURE/CURE

1. Air and substrate surface temperatures shall remain between 50°F (10°C) and 90°F (32°C) during and within 48 hours of placement.

2. No precipitation should occur during or within 48 hours of placement. If **Wall Stamp** becomes wet prior to sealing, pigments will fade excessively and whitening will occur.

3. Avoid high heat and / or windy conditions. Attempt to minimize application during such harsh conditions by working during cooler hours. Keep materials shaded prior to mixing, running water until cool, and setting up temporary walls for wind blocks.



### PACKAGING

40 lb. (18.1 kg) bag

### MIXING RATIO

5 – 6 qts. (4.7—5.7 liter) water to 1 – 40 lb. (18.1 kg) bag of **Wall Stamp**

(optional) .5 pound (227 g) **SC TruColor** – 30 standard colors (see **SC TruColor** TDS)

\*note will not match color chart

### COVERAGE

Depends upon application and substrate

1 - 40 lb. (18.1 kg) bag of **Wall Stamp**

@ 3/8" (6.35 mm) = 18 ft<sup>2</sup> (1.7 m<sup>2</sup>)

### DENSITY

118 pounds/ft<sup>3</sup> (1890 kg/m<sup>3</sup>)

### COMPRESSIVE STRENGTH ASTM C-109

28 day 2600 PSI (19788 kPa)

### FLEXURAL STRENGTH ASTM C-348

28 day 950 PSI (6550 kPa)

### TENSILE STRENGTH ASTM C-190

28 day 140 PSI (965 kPa)

### ABRASION RESISTANCE

28 days %loss –500 cycles – <.40%

### MOSAIC SHEAR ANSI A-118.4

28 day 275 PSI (1896 kPa)

### WATER PERMEABILITY ASTM D2247

FREZE/THAW 50 cycles - Passes

### SHELF LIFE

Under normal conditions: when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened bag is (12) months from the date of purchase. Storage must be under roof and off the floor. Rotate inventory to maintain product that is within limits

4. Interior applications and cool, shaded areas will take significantly longer to cure. Even in summer months, the winter mix design should be considered for these applications.

5. This product (depending on weather conditions) should achieve initial set within 6 – 8 hours. Like concrete full cure is reached at 28 days.

6. Sealer selection for a finished **Wall Stamp** project will require different cure times:

a. **HS, Super, or ColorTec Series** products may apply as soon as overnight. See specific acrylic sealer TDS.

b. **DK (Dura-Kote) or ColorTec** coatings may require longer cure times, perhaps 24 hours or more. See specific coating TDS.

### APPLICATION

#### Mixing and handling

1. Add 5 qts. (4.7 liters) water, to a 5 gal. (18.9 liter) pail.

2. Add **Color Pack** if desired.

3. Mix with a handheld concrete mixer, such as an Eiben-

stock model #EHR 20R or a ½" (12.7 mm) 450 – 600 rpm drill equipped with a cage mixing blade for a minimum of 15 seconds.

4. Slowly introduce **Wall Stamp** into the pail with mixer running.
5. Scrape side of pail with a margin trowel to ensure all dry product is incorporated into the wet mix.
6. Continue to mix for a minimum of 1 minute after all ingredients are combined to achieve a lump-free consistency. Additional water may be added up to a total of 6 qt. (5.7 liters) water to 1 – 40 lb. (18.1 kg) bag.

### Base Coat

A base coat is recommended. To bridge dissimilar cement-based surfaces, to smooth out uneven surfaces, or to provide a contrasting grout color for hand scored patterns, a base coat should be utilized.

*Concrete, common substrates*

1. Trowel a tight thin coat on substrate, using as much force as can be achieved with hand trowel.
2. Trowel 100% coverage, leaving no bare spots, a minimum of 1/8" (3 mm) of material.
3. Scratch with a stiff bristle brush the base coat, if base coat cannot be finish coated before drying.

*EFIS, foam, hard coat, bridging dissimilar substrates, or cracked substrate*

1. Minimum 4.5 oz. (127 g) standard fiberglass mesh is required.
2. Trowel a minimum of 1/8-3/16" (3—5 mm) of material as a first pass.
3. Trowel the mesh into the wet material.
4. Trowel a thin second pass to ensure mesh is completely encapsulated in base coat when troweled flat.
5. Scratch with a stiff bristle brush the base coat, if base coat cannot be finish coated before drying.

*Note: for larger areas, Wall Spray may accomplish base coat more efficiently (see Wall Spray TDS: Base Coat)*

### Finish Coat

1. The base coat must not be completely dry or must be scratched.
2. Wall Stamp may be applied in multiple lifts up to ½" thick at a time.
3. Product may be built out randomly to desired thicknesses, exercise care that lifts are not applied to the point of sagging, usually over 3" (7.6 cm).
4. Best results are achieved when finish coat is smoothed with a final pass of trowel.

### Stamping / Cutting

1. As finish coat begins to dry, yielding to one's finger without sticking, it may be tooled in a variety of ways.
2. May be stamped with concrete stamp tools and **Sure Release Liquid** (see TDS).
3. Grout lines may be cut in a variety of patterns.
4. Texturing with brushes and various methods may be accomplished.
5. Any combination of the above may be employed.

### Secondary coloring

Depending upon the application selected, **Eco-Stain** may provide aesthetic appeal to a project.

Refer to **Eco-Stain** TDS.

### Sealing

To complete a **Wall Stamp** project sealing is required. While multi-colored, "designer finishes" may seal clear, for the simple single color projects, use a good quality wall paint.

Excellent choices for sealer include:

- A good quality wall paint
- **Super 20** – clear 30% solids, 600 g/L solvent
- **Super WB** – clear 30% solids water based
- **Super WB LL** – clear low luster water based

Refer to the appropriate spec sheet for details.

*Note: never use a solvent based sealer on Wall Stamp placed over a polystyrene foam substrate*

## SUITABILITY SAMPLE

Due to condition specific sites, always prepare an adequate number of test areas. Aesthetic suitability for products' intended use should be included. On site sample approval is especially critical on custom coloration.

## CLEAN-UP

Before **Wall Stamp** dries; spills and tools can be cleaned up with water.

## DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product.

## LIMITATIONS

For use by trained professionals that have read the complete SDS. A completed **Wall Stamp** project requires a sealer. The sealer selected may have limitations that affect the finished system. Refer to the appropriate sealer TDS for details.

## WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. Sure-Crete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

## CAUTIONS

**KEEP OUT OF REACH OF CHILDREN. Inhalation:** Avoid prolonged breathing of airborne dust, particularly present during mixing. Use NIOSH approved respirator for nuisance if threshold limit values are unsafe. **Skin Contact:** Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. **Eyes:** Wear safety eye protection when applying. Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

## SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

- [bag-mix-wall-stamp-sds.pdf](#)