

## Technical Data

### COVERAGE

1— 50 lb. bag of **SureStamp**

15 sq. ft. @ 3/8"

20 - 24 sq. ft. @ 1/4"

### TECHNICAL DATA

#### COMPRESSIVE STRENGTH

- ASTM C-109
- 7 day 3580 PSI
- 28 day 4350 PSI

#### FLEXURAL STRENGTH

- ASTM C-78
- 9 day 880.7 PSI
- 28 day 1494.3 PSI

#### T-BAR ADHESION (DUROCK)

- 7 day 137.1
- 28 day 190.3

### CURING

Allow to air cure after application. Care should be taken when weather conditions impart variables that may cause the overlay to dry out too quickly. High heat, sunlight and especially windy conditions may be detrimental to the proper curing of the overlay.

Attempt to minimize application during such harsh conditions by working during cooler hours, keeping all materials shaded prior to mixing and setting up plastic or temporary walls to block wind. Allow a minimum of 24 hours before permitting foot traffic on sealed area. Allow a minimum of 72 hours before permitting vehicular traffic on sealed area.

### DESCRIPTION

**SureStamp** is a stampable cementitious topping for beautifying both interior and exterior concrete surfaces. When stamped, it creates a texture that can resemble a whole array of stamp designs: tile, cut stone, slate, brick, cobblestone, etc. **SureStamp** offers restoration, repair, resurfacing, architectural accenting, and surface protection of existing concrete.

### CHEMICAL MAKEUP

**SureStamp** imparts additives, which enhance the cement in the system. Special copolymers create adhesion and flexibility essential in a thin topping. Our use of high performance admixtures increase strength, reduce permeability and shrinkage by combining with calcium hydroxide produced during hydration of the cement. The admixtures also help improve chemical resistance, reduce efflorescence and alkali-silica reactions.

### SURFACE PREPARATION

Concrete must be cured. Remove all laitance, efflorescence, chemical contaminants, grease, oil, old paint, and other foreign matter. The prepared surface must be clean and structurally sound. Shot blasting, scarifying or water blasting may be necessary to achieve the proper profile for both a chemical and mechanical bond.

Acid etching or other treatments should be evaluated for profiling. SureCrete's **SCR** is an effective, safe alternative to muriatic acid. Substrate must be 40°F and rising before installation. Surface at 90°F and above must be cooled before installation. Dampen area with fog tipped sprayer before using, leaving no puddles.

### APPLICATION

**Bond Coat:** Begin by saturating area to be covered with water. Before application of bond coat, remove any excess water leaving no puddles. The surface should be saturated, surface dry (SSD). Mix water at the rate of 7 – 7 ½ qts. water to a 50 lb. bag of **SureBond**. Mechanically mix for no more than 3 minutes to a lump-free consistency. Place the bond coat with a squeegee and force into surface completely covering existing concrete with this slurry. Apply **SureBond** only in sections that may be covered with stamp mix while maintaining a wet edge.

**Stamp Coat:** While the bond coat is still wet apply stamp coat. Mix water at the rate of 3 ½ qt's. - 1 gal. to a 50 lb. bag of **SureStamp** and add color pack to integrally tint. Mechanically mix to a lump-free consistency. Use a gauge rake to apply stamp coat at ¼" - ⅜", then steel trowel, Fresno, or steel squeegee smooth and slick. Use **Surface Delay** in hot &/or windy conditions to slow initial evaporation of surface. Allow stamp coat to set until material does not stick easily to the finger when touched, but yields to pressure.

Apply **SureRelease** liquid to stamp tools and material to be stamped. **SureRelease** can evaporate from surface; only apply an amount that may be stamped within several minutes, especially on hot sunny days. The stamp coat can be stamped with regular concrete stamping tools as is customarily done.

Highlighting and Sealing: The following day after cleaning up double stamp lines and excess material, the accenting of the stamp coat may be accomplished through chemical stain or liquid highlighting. Two coats of **SureSeal Clear** complete the job.