

Technical Data

COVERAGE (approx.)
(1) 50 lb bag of SureBond will cover between 300 –450 sq. ft. based upon porosity of slab*.

*NOTE: On extremely porous slab's, sometimes a sacrificial coat of SureBond should be applied and left to dry, before the normal wet coat is applied during the stamping process.

Shelf Life

Under normal conditions and when kept out of direct sunlight, dry and moisture free, the shelf life of **this product(in a unopened package)** is **(12) months** from the date of purchase. Storage must be under roof and off the floor. Inventory **must be rotated** to maintain product that is within shelf life limits.

Warranty

Generally, SureCrete represents and warrants that our products are of **consistent quality**. No other oral or written statement is authorized. Any liability is limited to refund of purchase price, or replacement of product (**if defective**) at manufactures/ sellers option. The **end user** shall determine product's suitability and assume all risks and liability. SureCrete shall not be liable for cost of labor or direct and/or incidental consequential damages.

DESCRIPTION

SureBond is a single component, just add water, cement based bonding agent specifically developed for SureCrete's patching products and **SureStamp** stamped overlayment. Its only function is to join these products to the host surface (i.e. concrete.) **SureBond** is composed of a high concentration of latex modifier and cement with a very fine sand for aggregate. SureBond is packaged in a white mix (can add color pack) and a grey mix.

SURFACE PREPARATION

The principles for surface preparation for overlays on concrete or other cementitious surfaces remain constant; the substrate must be: **(under most installation situations)*:**

1. **Clean:** The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew & other foreign matter that may serve as a bond breaker or prevent proper adhesion. To remove coatings, paint, sealers, glue from concrete, etc. you can either accomplish this thru chemical (listed below) or mechanical means!
(See Tech Sheets) SCR: Enviro Strip: Glue Remove: Fast Strip Plus
2. **Cured:** Any cement based surface must be sufficiently cured to have completed hydration: somewhere between 14-28 days depending on temperatures & humidity.
3. **Sound:** No overlay should be placed on flaking or spalling concrete. If the surface is delaminating, or divots are present, then shot blasting, scarifying, or other prepping methods should be used to remove the delaminating areas & then patched.& or **densified!** Cracks will telegraph thru overlays& need to be properly addressed! Also some slabs present special challenges: hydrostatic pressure, efflorescence, dusting, or other contaminants in the matrix. As added insurance, we recommend **LD-1800**.
(See Tech Sheets) LD-1800: Flash Patch: Deep Level: SureBroom: SCT-22: 2 Part- Epoxy crack treatment
4. **Profiled:** For a proper bond with overlays, the surface of concrete must be opened up (etched) roughed up to feel like sandpaper. This profile may be accomplished by **mechanical means:** shot blasting, scarifying, grinding, power washing etc. For most applications, the most common means of **profiling, cleaning & degreasing** for an all in one product and a safe substitute for muriatic acid is **SCR**.

(See Tech Sheet) SCR

* **(See Tech Sheet) SurePrime:** Enhanced bonding primer

Temperature Ranges & Curing

Installations **should only take place** when air & substrate surface temperatures are between **45° F & 90° F (7-32° C)** If air temperature is expected to **drop below 45° F (7° C)** within 48 hours after placement, then installation is **not recommended!**

Allow product to air cure after application. Care should be taken when weather conditions impart variables that cause the product to dry out to quickly. High heat, sunlight and especially windy conditions, may be detrimental to the proper curing of this product. Attempt to minimize application during such harsh conditions by working during cooler hours, keeping materials shaded prior to mixing and setting up plastic or temporary walls to block wind. **This product (depending on weather conditions)** normally should achieve

initial set with-in 8 hours. After sealing allow approximately (24) hours for **foot traffic** & approximately (72) hrs. for **heavy/ vehicle traffic**.

APPLICATION

For Patching

1. Mix only the amount of **SureBond** that may be required to coat the area to patch. Water demand can be determined by site; mix a little bit thicker than a slurry.
2. Unless patched area is overly large, apply **SureBond** with a chip brush. Be certain to coat complete area to patch, including adjacent areas if patching material is to “feather” to zero at edges.
3. Apply patching material while **SureBond** is still wet.

For SureStamp

1. Unless area to be stamp overlayed is very small, mix Bond Coat at the rate of 7 – 7 ½ qts. water to a 50 lb. bag of **SureBond**.
2. Mechanically mix to a lump-free consistency.
3. 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).
4. Place the bond coat with a squeegee and force into surface completely covering existing concrete with this slurry.

NOTE: Apply **SureBond** only in sections that may be covered with stamp mix while maintaining a wet edge.