



SURECRETE®



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www.surecretedesign.com/product/concrete-bonding-agent

SURE BOND

CONCRETE OVERLAY
BONDING AGENT

DESCRIPTION

SureBond™ is a single component, just add water, cement-based bonding agent specifically developed for use with SureStamp™ and Deep Patch™. Its only function is to join these products to the host surface (i.e. concrete.) Its high cement content and dry-copolymer agents create the premier bond, while the fine aggregate micro-dowels into the substrate or area to be patched. SureBond is packaged with white cement and can be colored to match the overlay being applied on top by the use of SC TruColor™ (see appropriate TDS) color packs.

BENEFITS

- Stronger Bond Strength than liquid polymer
- Dry Polymer Technology
- Tint able via SC TruColor

SURFACE PREP

The principles for surface preparation for SureBond are aligned with cement-based overlays placed on concrete and remain constant; the substrate must be:

1. **Clean:** The surface must be free of dust, dirt, oil, grease, paints, glues, sealers, curing agents, efflorescence, chemical contaminants, rust, algae, mildew and other foreign matter that may serve as a bond breaker.
2. **Cured:** Any concrete must be sufficiently cured to have sufficient hydration, approximately 7 - 14 days depending on temperatures and humidity.
3. **Sound:** No system should be placed upon concrete that is flaking, spalling, or has hibernating spalling.
4. **Profiled:** Proper profile 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. The most common means to properly profile many concrete slabs (especially exterior slabs) is through the use of a pressure washer equipped with a turbo-tip and the use of SCR (see [SCR TDS](#)).

Some concrete slabs that are hard troweled or that are not sound may require more aggressive profiling through diamond grinding or shot blasting.

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.
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.

MIXING / APPLICATION

FULL BAG - Mixing and Handling

1. Add 6-qt's. water to a 5 gal. (18.9 liter) pail.
2. Add 1 - SC TruColor "color pack" if desired.
3. Mix with a handheld concrete mixer equipped with a cage mixing

QUICK FACTS

PRODUCT NAME SureBond™

PACKAGING

50 lb. Bag (22.7 kg)

COVERAGE

1 - 50 lb. (22.7 kg) bag of SureBond™ varies widely due to profile, porosity of substrate, temperature, and how thirsty the concrete slab is: approximately 300 - 450 ft² (28 - 42 m²) as a bond coat.

MIX RATIO / WATER DEMAND

6-7 quarts of clean water (6.6-7.1 liter) to (1) 50 lb. bag of SureBond™

blade for a minimum of 15 seconds.

4. Slowly introduce SureBond™ 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 7 qt. (7.1 liter) per 50-pound (22.7 kg) bag.

SMALL BATCH - Mixing and Handling

1. For each 4-qt. dry mix, add 1.5 qt. water (3.8-liter dry mix add 1.4-liter water)
2. Add desired water to an appropriately sized vessel.
3. Begin adding dry mix to water while running mixer. Mix with an appropriately sized mixer (from a cordless drill with a "jiffy" style blade to a heavy-duty mixer or ½" (12.7 mm) 450 - 600 rpm drill equipped with a cage mixing blade.)
4. Scrape side of pail with a margin trowel to ensure all dry product is incorporated into the wet mix.
5. 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 1.75 qt. water to 4 qt. dry mix (1.7-liter water to 3.8-liter dry mix)

BOND COAT - For Deep Patch™

1. The surface should be saturated, surface dry (SSD or damp, no puddles).
2. Apply product by brush or trowel / squeegee over entire area that corresponds to the area to be patched by Deep Patch™.
3. While the SureBond™ is still wet, apply Deep Patch™ (see [Deep Level TDS](#)).

BOND COAT - For SureStamp™

1. The surface should be saturated, surface dry (SSD or damp, no puddles).
2. Pour a generous ribbon of SureBond and spread with squeegee over an area that corresponds to the area to be covered by SureStamp™.
3. While the SureBond is still wet, pour the SureStamp™ onto surface (see [SureStamp™ TDS](#)).

SUITABILITY SAMPLE

Always prepare an adequate number of onsite test areas, on the intended substrate to establish aesthetic suitability for products' intended use.

CLEAN-UP

Before SureBond™ 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.
- SureBond™ is not designed to be a wear surface.

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. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages. consequential damages.

WARNING

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 (SDS)

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

[SureBond - Safety Data Sheet](#)

MANUFACTURER PART

50 lb. (22.7 kg)

SKU # 25101002

SHELF LIFE

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