

# SURETEX™ PRODUCT DATA SHEET



## DESCRIPTION

**SureTex™** is a thin, cement-based overlay for both interior and exterior concrete surfaces. Its slightly larger aggregate creates deeper textures, and its chemistry allows quicker surface drying than most overlay products. **SureTex** is frequently applied by compressed air spray equipment (commonly a hopper gun), it was additionally designed to be troweled from the simplest of knock-down to the most elegant Euro-texture. Restoration, repair, resurfacing, architectural accenting, surface protection, and creating slip resistance of existing concrete are all realized through **SureTex**. It is seasonally user-friendly, and available in *standard formula* and *"ST" for hot weather*.

## SURFACE PREP

The principles for surface preparation for **SureTex** are aligned with other 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 adequately cured to have sufficient hydration, approximately 7 to 14 days depending on temperature and humidity.
- 3. Sound:** No system should be placed on concrete or an existing cement-based overlay 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.

Customarily, profiling is not required for application over another cement-based overlay.



## TEMPERATURE/CURE

1. Ideal air and substrate surface temperatures should remain between 50°F (10°C) and 90°F (32°C) during and within 48 hours of placement. When temperatures range from 90°F (32°C) to 110°F (43°C) cure time will accelerate. Use of cold water, retarder, and soaking the concrete surface (no standing puddles) will aid in managing cure rate. When surface temperatures are above 110°F (43°C) speak with manufacturer about application techniques.
2. No precipitation should occur during or within 48 hours of placement. If SureTex becomes wet prior to sealing, pigments will fade excessively and whitening will occur.
3. When applicable, avoid high heat and/or windy conditions. Attempt to minimize application during such harsh conditions by working during cooler hours, keeping materials shaded prior to mixing, running water until cool, and setting up temporary walls for wind blocks.
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 to 8 hours. Like concrete, full cure is reached at 28 days.
6. Sealer selection for a finished SureTex 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.

## QUICK FACTS

### PACKAGING

50 pound (22.7 kg) bag

### MIXING RATIO

4 to 6 quarts (3.8 - 5.7 liter) water to one (1) 50-pound (22.7 kg) bag of SureTex  
Optional: 0.5 pound (227 g) SC Color color pack

### COVERAGE

Depends upon application and substrate.

(1) 50 lb. (22.7 kg) bag of SureTex =

**Base** - approximately 150 - 175 ft<sup>2</sup> (13.94 - 16.25 m<sup>2</sup>)

**Finish** - approximately 125 - 150 ft<sup>2</sup> (11.6 - 13.94 m<sup>2</sup>)

### SHELF LIFE

Under normal conditions, when kept dry and moisture free, out of direct sunlight, the shelf life of an unopened container is twelve (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.

# MIXING & APPLICATION

## PATCHING

Upon surface preparation, some areas may require patching prior to application of **SureTex**. [Flash Patch™](#) or [Deep Patch™](#) is an excellent choice as a patching product to restore concrete to a sound state. Refer to Flash Patch or Deep Patch TDS.

## CRACK TREATMENT / CONSTRUCTION JOINTS

Cracks may require treatment: Refer to [SCT-22™](#) Crack and Spall Treatment and [SCT-EP™](#) Epoxy Crack Treatment TDS to evaluate crack as static or structural to set expectation of treatment.

Never bridge **SureTex** across any joint in concrete. Construction Joints in concrete have sufficient movement to “telegraph” through **SureTex** applications. Large expansive slabs should have planned appropriate flexible caulks to allow for this movement.

## MIXING

Due to **SureTex**'s diverse applications, there can be a significant difference in water demand between systems. Weather conditions and porosity of substrate will affect water demand as well. Approximate water demand for different systems per 50-pound (22.7 kg) bag **SureTex** equals 4 to 6 quarts (3.8 - 5.7 liters).

While water demands vary, the steps for mixing remain constant:

1. Add desired water to a 5-gallon (18.9 liter) pail.
2. Add one (1) [SC Color](#) 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 SureTex into the pail with mixer running.
5. Scrape sides 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 one (1) minute after all ingredients are combined to achieve a lump-free consistency. Additional water may be added as required.

## APPLICATION

### BASE COAT

All **SureTex** applications are recommended to have a base coat. Base coats may be troweled/squeegeed or sprayed.

#### Trowel / Squeegee

1. The surface should be saturated, surface dry (SSD or damp, no puddles).
2. Pour a generous ribbon of SureTex and tightly trowel or squeegee product over entire area.

#### Spray (utilizing a hopper gun such as Marshalltown SharpShooter Hopper gun)

1. The surface should be saturated, surface dry (SSD or damp, no puddles).
2. Common setting for spray gun orifice is approximately ¼" (6.3mm).
3. Setting for air compressor should be approximately 8 ft³ (.23m³) per minute at 40 psi (276 kPa) continuous.
4. Spray 100% coverage, leaving no bare spots.

## STENCILS AND GROUT TAPE PATTERNS (OPTIONAL)

1. Stencils and tape patterns may be placed after scraping and sweeping of base coat, and prior to application of finish coat.
2. Stencils and tape patterns may be removed as soon as product dries sufficiently to bear the foot traffic of the applicator, prior to sealing.

## FINISH COAT

1. The base coat must set sufficiently to bear the foot traffic of the applicator, approximately 2 to 6 hours (depending upon weather).
2. Scrape the surface of base coat with a heavy-duty floor scraper and remove any loose material
3. The finish coat applies as the base coat described above. Alterations of air pressure, spray gun orifice size, and trowel techniques will yield numerous pleasing finish coats.

## SECONDARY COATING

Depending upon the application selected, secondary coloring will provide aesthetic appeal to a project. There are several products available.

- [Eco-Stain](#) – 29 water base stain colors. Refer to TDS.
- [Eco-Accent](#) – 10 dry antiquing colors. Refer to TDS.
- [SureStain](#) – 8 acid stain colors. Refer to SureStain TDS.

**Note:** Before secondary coloring, the finish coat must dry sufficiently to bear the foot traffic of the applicator, approximately 2 to 6 hours (depending on weather). Scrape the surface of finish coat with a heavy-duty floor scraper and remove any loose material.

## SEALING

To complete a **SureTex** project, sealing is required. While multicolored designer finishes may be sealed clear, for the simple single-color projects, a pigmented sealer will yield the most appealing results.

Exterior jobs will require the sealing with an acrylic sealer, due to its vapor permeability. Excellent choices for exterior sealer include:

- [HS 300](#) – 30% solids, 600 g/L solvent
- [HS 300LV](#) – 30% solids, 400 g/L solvent
- [Super 30](#) – 30% solids, 600 g/L solvent
- [Super WB](#) – 30% solids water based  
Refer to the appropriate TDS for details.

Other sealer choices for floors with enhanced durability properties include:

- [DK 400](#) (Solvent Based Polyurethane) high gloss
- [DK 400WB](#) (Water Based Polyurethane) gloss finish
- [DK 400WB](#) (Water Based Polyurethane) satin finish
- [DK 120](#) (Solvent Based Polyaspartic) quick dry
- [DK 180](#) (Solvent Based Polyaspartic) moderate build
- [XS-327](#) (Water Based Hybrid Polyurethane)  
Refer to the appropriate TDS for details.

**Note:** if secondary coloring is not utilized before sealing, scrape the surface of finish coat with a heavy-duty floor scraper and remove any loose material.

## SLIP RESISTANCE

Two recognized U.S. agencies have issued directives on minimum coefficient of friction, OSHA (Occupational Safety and Health Administration) and the Department of Justice through the ADA (Americans with Disabilities Act). ADA is the more stringent of the two. ADA directs that accessible walkways have a minimum coefficient of friction of 0.6. Ramps have been directed to be 0.8. The applicator assumes the responsibility to meet these standards. Especially exterior surfaces or surfaces that may become wet, oily, or greasy require attention. Refer to spec. sheets on SureGrip (Additive) and its accompanying coefficient of friction table.

## SUITABILITY SAMPLE

Due to site-specific conditions, always prepare an adequate number of test areas. Wear a protection system and include aesthetic suitable for products' intended use. On-site sample approval is critical in a substantial, heavy-traffic situation or custom coloration.

## CLEAN-UP

Before **SureTex** dries, clean spills and tools with water.

## DISPOSAL

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

## LIMITATIONS

For use by trained professionals who have read the complete SDS. A completed **SureTex** 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 manufacturer's or seller's option. SureCrete LLC shall not be liable for the 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.

## TESTING DATA

**COMPRESSIVE STRENGTH ASTM C-109**  
28 days 4,269 PSI (29,433 kPa)

**FLEXURAL STRENGTH ASTM C-348**  
28 days 980 PSI (6,756 kPa)

**TENSILE STRENGTH ASTM C-190**  
28 days 440 PSI (3,033 kPa)

**ABRASION RESISTANCE ASTM D-4060**  
28 days <.50%

**MOSAIC SHEAR ANSI A-118.4**  
28 days 275 PSI (1,896 kPa)

## SAFETY DATA SHEETS

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

[SureTex Safety Data Sheet \(SDS\)](#)

## MANUFACTURER PART #'S

SureTex™ - 50 lb. Bag      SKU# 25101010  
SureTex™ ST - 50 lb. Bag      SKU# 25101009

## VOC REGULATORY COMPLIANCE

AIM	OTC	LADCO	CARB	SCAQMD	CANADA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>