

THANK YOU

FOR CHOOSING



BEFORE BEGINNING ANY PROJECT

Please review the enclosed training and materials packet in full, including:



1-2-3

Review the Step-By-Step Instructional Video Anytime at:
<https://diyconcrete.com/collections/resurface-my-ugly-concrete>

RESURFACE MY UGLY CONCRETE

It's hard to imagine anything stronger than concrete, but we did, and that's our concrete overlay! Not only does it have higher compressive strength than that of concrete itself; it will also make old, weathered surfaces look brand new without the hassle or expense of replacement. Use these three simple-to-use products to give your existing concrete an instant face lift – and an attitude to match!

DIFFICULTY RATING



BEFORE YOU BEGIN THIS PROJECT

Please review all of the materials and tools required to ensure you have everything needed for the project.

MATERIALS

- [1] SCR Cleaner/Degreaser [1 gallon]
- [2] SureBroom Broomable Overlay [45 lb bag]
- [1] SuperSeal 20WB Water-Based Acrylic [1 gallon]
- *Optional* SC color pack [0.5 lb]

TOOLS

- [1] 1-Gallon Plastic Pump-Up Sprayer
- [1] 9" Paint Tray
- [1] 9" Roller Frame/Cover
- [1] Mixing Paddle
- [1] Gloves
- [1] Safety Glasses
- [1] 2" Painter's Tape
- [1] 3" Putty Knife/Scraper
- [1] 14" Floor Squeegee/Trowel
- [1] Stiff Bristle Brush
- [1] Concrete Finish Broom
- [1] Extendable Brush/Roller/Broom Handle

STEP 1: PREP & CLEAN

1. Remove any leaves, twigs, rock or other loose particles from the surface with a leaf blower or broom.
2. Clean the surface using a pressure washer (3000 psi), or a garden hose and stiff bristle brush, to remove any dirt or accumulated grime.
3. Consider protecting any finish surfaces near the project by using 48" masking film and blue painter's tape to secure the film to surrounding surfaces.
4. Tape off expansion joints that have foam or felt board in the joint with painter's tape to ensure the SureBroom product does not coat this material...it will eventually flake off otherwise.
5. For minor cracks, you can mix up a small amount of SureBroom to a stiff, peanut butter consistency and spread that material over the crack. Lightly dampen the surface and work the material into the crack using a plastic spatula or small trowel. Scrape excess material off so it doesn't show up underneath the finish.

SCR CLEANER/DEGREASER (1 GALLON)

1. Mix 1:1 with water and pour into a pump-up sprayer
2. Spray across entire surface and use a stiff bristle brush to work the material down into the concrete.
3. Ensure the surface remains partially damp during the process to allow for good penetration.
4. Neutralize the surface with water and thoroughly rinse off the concrete and allow to dry.



STEP 2: RESURFACE

SUREBROOM BROOMABLE OVERLAY (45 LB BAG)



1. Water demands for SureBroom will vary based on application and desired texture. Approximate water demand for a 45 lb bag is 3.75 quarts for the base coat and 5.75 quarts for the broom coat.
2. Combine water and SureBroom in a clean bucket and mix using an electric drill equipped with a mixing paddle for two minutes. Add water as needed to achieve a thick paint consistency. When thoroughly mixed, allow material to sit for a few minutes to fully activate before applying.
3. Scrape off any material that is clinging to the edges of the bucket as it could interfere with consistency of the material and quality of application, and then mix for an additional 30 seconds.
4. Lightly dampen the concrete with water and apply SureBroom using a squeegee/trowel. Ensure a smooth even coat, pushing excess material off edges and cleaning up after you have completed applying the base coat. Also be sure to brush the material out of the control joints as you go. You should strive to get a uniform, thin layer of material in the joint, however not fill them up.
5. Once the base coat has dried sufficiently that you cannot press into it with your fingernail, scrape off any high or thick spots with a scraper or rubbing brick.
6. Wait 4-6 hours and apply second coat. Remember to mix at 5.75 quarts of water per 45 lb bag of surebroom.
7. If a broom finish is desired, spread the material with a broom, finishing with a consistent north-south or east-west pattern to achieve a uniform broom finish.
8. Push excess material off edges and dispose.
9. Let dry overnight.

STEP 3: SEAL/PROTECT

SUPERSEAL 20WB WATER-BASED ACRYLIC (1 GALLON)



1. Pour material into a clean roller pan.
2. Cut in along edges using a small roller or brush to create a clean line and avoid material getting onto surrounding surfaces.
3. Use a traditional 9" roller to apply material uniformly over the remainder of the surface. Ensure there are no missed spots, or areas of heavy accumulation or puddles.
4. Allow to dry and apply second coat.
5. Allow to dry.

NEED MORE HELP?

Review the step-by-step instructional video anytime at:

<https://diyconcrete.com/collections/resurface-my-ugly-concrete>

SCR™

TECHNICAL DATA SHEET



DESCRIPTION

SCR™ is a concentrated combination of three commercial-grade cleaning products. **SCR™ utilizes a detergent, degreaser, and hydrochloric acid** to clean and prepare concrete for overlays, stains, sealers, and coatings. The SCR formula quickly dissolves mortar, scale, rust, algae, stains, and mineral deposits such as efflorescence. SCR is a stronger cleaner than citric acid and a safe alternative to muriatic acid, as it contains no toxic heavy metals, or ozone-depleting solvents.

SCR™ will open the pores of the concrete and cement-based overlays aiding concrete coloring systems like reactive acids, water-based stains, and dyes. In addition, it assists in delivering a higher bond strength to exterior concrete acrylic sealers. Its multi-function, environmentally-friendly properties include cleaning and preparing:

- All SureCrete Overlays
- Xtreme Series and D-FRC Castings
- Removing Travertine Powder from Xtreme Series and D-FRC
- Eco-Stain and Eco-Accent Applications
- Application of Super, HS, ColorTec Acrylic Sealers
- Removal of SureRelease and TruTique
- Brick, Mortar, Paver, and Grout Surfaces
- Porcelain
- Vitreous China Surfaces and Fixtures
- Stamp Tools and Molds

MIXING & APPLICATION

Apply in temperatures above freezing and below 90°F (32°C). **SCR™ is a concentrated solution and must be diluted with water.** Water and SCR should be premeasured before combining. **DO NOT** use a hose to fill water into SCR as it will create constant bubbling. Always tighten lid thoroughly after use.

The formula for **proper dilution should be Water: SCR**

Example: 2:1 equals 2-parts water to 1-part SCR

QUICK FACTS

PACKAGING

1 gallon (3.8 L) jug
5 gallon (18.9 L) pail

MIXING RATIO

Varies by application: no dilution to 4:1
(4-parts water to 1-part SCR™)

COVERAGE

Varies upon substrate: 150 square feet per
gallon (14 m² per 3.8 L)

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. SCR™ should not be exposed to freezing temperatures, which may rupture container. Rotate inventory to maintain product that is within limits.



Below, you will find the suggested dilution rates for the following applications:

- General Concrete Cleaning
- Exterior Concrete for Overlay
- Interior Concrete for Staining and Overlay
- Cleaning Overlay for Staining and Sealing
- Cleaning XS and D-FRC Casting Pieces
- Cleaning Stamping Tools and Molds

GENERAL CONCRETE CLEANING

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly the 2:1 diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with a stiff bristle-broom.
5. Before SCR dries, rinse with a garden hose or power wash with a fan-tipped pressure washer.

SURFACE PREPARATION ON EXTERIOR CONCRETE

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.

4. While still wet with product, rub concrete with a stiff bristle-broom
5. Before SCR dries, power wash with minimum 3,000 PSI (21,000 kPa) pressure washer equipped with a turbo-tip.

SURFACE PREPARATION ON INTERIOR CONCRETE

1. Dilute SCR™ 2:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 2:1* diluted product across surface of concrete. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, rub concrete with black pad on a rotational floor machine
5. Keep floor wet with frequent rinsing.
6. Mop residue until rinse water is clear or utilize water extraction equipment.

CLEANING OVERLAY PRIOR TO COLORING OR SEALING

1. Dilute SCR™ 4:1 with water
2. Dampen concrete with water from mist of pump-up sprayer or a garden hose trigger nozzle.
3. Apply evenly 4:1 diluted product across surface of overlay. Best results are achieved by spraying from an acid-resistant pump-up sprayer.
4. While still wet with product, gently brush surface with a soft bristle-broom
5. Before SCR dries, gently rinse with a garden hose or power wash with a fan-tipped pressure washer.

PREPPING XS PRECAST AND XS FACE

1. Dilute SCR™ 3:1 with water
2. Wet XS piece with water from pump-up sprayer or sponge.
3. Brush or sponge 3:1 diluted product onto vertical edges of XS pieces first.
4. Spray or sponge 3:1 diluted product from acid-resistant pump-up sprayer onto surface.
5. While still wet with product, gently brush surface with a soft bristle brush.
6. Rinse immediately. Do not allow diluted product to stand on the surface.

CLEANING STAMPING TOOLS AND MOLDS

1. Dilute SCR™ 4:1 with water (4 parts water to 1 part SCR™)
2. Dampen stamping tools or molds with water from mist of pump-up sprayer or sponge.
3. Spray 4:1 diluted product from acid-resistant pump-up sprayer onto tools or molds.
4. While still wet with SCR, gently brush surface with a stiff bristle brush.
5. Before SCR dries, completely rinse surface.

**NOTE: stronger dilution rates may be required for adequate profile. Power-troweled concrete may require SCR to be used straight. In some cases, proper surface preparation will require mechanical surface preparation (e.g. grinding, shot blasting), such as for ColorTec™ Coatings, DK Flake, and DK Metallic systems.*

SUITABILITY SAMPLE

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

CLEAN-UP

Simply rinse 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.
- SCR™ may be corrosive to some metals. ALL metals should be protected.
- SCR is not the best choice for surface preparation for DK or ColorTec™ coating systems. These systems require a CSP (Concrete Surface Profile) 1-3.
- Hard-troweled concrete surfaces may not achieve the appropriate CSP 1-3 profile by just using SCR alone. In these cases, shot-blasting or grinding is recommended.

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 manufacturers' 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 a 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.

PROPERTIES

Appearance	Green liquid
Storage Stability	1 year
Odor	Mint
Application Temperature	32°F – 90°F (0°C – 32°C)

SAFETY DATA SHEETS

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

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

MANUFACTURER PART #'S

1 gallon	SKU# 15104002
5 gallon	SKU# 15104003

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"/>

SUREBROOM™

TECHNICAL DATA SHEET



DESCRIPTION

SureCrete™ **SureBroom™** is designed to resurface high-traffic concrete surfaces without compromising color, design, or texture. **SureBroom** is a proprietary, single-component, self-bonding, cementitious overlayment available in both white and gray Portland cement bases. **SureBroom** can transform old, spalled, or worn-down concrete by eliminating surface defects, increasing wear ability and coefficient of friction (COF).

Although **SureBroom** was designed to renovate broomed concrete exterior surfaces, a variety of textures and designs can be achieved for exterior flatwork or interior floors:

- Broom
- Stipple (Bubble Finish)
- Swirl
- Wood Grain
- Sponge Float
- Euro-Texture (Slop Trowel)

SureBroom is formulated and optimized for exterior applications such as parking lots, parking garages, ramps, stairwells, and walkways where heavy foot or vehicular traffic is present. These venues include theme parks, educational, medical, warehousing, multifamily, and manufacturing. When SureCrete **SureBroom** is properly applied and sealed, it will produce an attractive high-strength wear surface with a long lifecycle and low maintenance. **SureBroom** applications do not contribute to Sick Building Syndrome (SBS), and, when sealed with a resinous coating, can create an allergen-free flooring solution.

SureBroom is often applied by concrete broom. Project size and desired texture can allow for **SureBroom** to be placed by trowel, float, squeegee, brush, gravity feed hopper, or rotor/stator pump system. **SureBroom** may also be colored by using any of the 30 standard SC TruColor pre-measured color packs.

BENEFITS

- High Compressive Strength
- Increased COF (Coefficient of Friction)
- White and Gray Cement Bases

QUICK FACTS

PACKAGING

45-pound bag (22.68 kg)

MIXING RATIO

3.75 to 5.75 quarts (3.5 - 5.4 liters) water to one 45-pound bag (22.68) of SureBroom™

COVERAGE

One 45-pound bag (22.68 kg) of

SureBroom™ = approximately 0.41 ft³

Base Coat = 90 to 160 ft²

Finish Coat = 135 to 225 ft²*

*NOTE: Finish coat coverage range varies on desired texture being created.

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.



SURFACE PREP

The principles for surface preparation for **SureBroom** 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 to 14 days depending on temperatures and humidity.
- 3. Sound:** No system should be placed on 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 required profile is a CSP-2 through CSP-4.

NOTE: The most common means to profile many concrete slabs (especially exterior slabs) is through the use 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.

PATCHING & CRACK TREATMENT

Once proper surface preparation has been achieved by either mechanical or chemical techniques, patching and crack treatment can be addressed.

Patching can be done by the use of [Flash Patch™](#) or [Deep Patch™](#). The proper patch choice is determined by the depth of the patch and speed of cure. Refer to the TDS for proper application.

All cracks should be evaluated and determined if they are moving or static. Cracks that are determined to be “static” can be treated through the application of [SCT-22](#) (fast cure two-part urethane) [SCT-EP](#) (epoxy and sand based). See appropriate TDS for application.

Never bridge any joint in concrete. Construction joints are designed to move and will telegraph through crack treatment, patching materials, and **SureBroom** applications.

TEMPERATURE/CURE

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

No precipitation should occur during or within 48 hours of placement.

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. The use of Surface Delay or Retarder may aid these environmental situations. See appropriate TDS.

Interior applications and cool, shaded areas will take significantly longer to cure.

This product will cure similar to concrete. Depending on weather conditions, it may achieve initial set within 2 to 8 hours. Like concrete, full cure is reached at 28 days.

MIXING & APPLICATION

MIXING

Due to **SureBroom**'s diverse applications and textures, there can be a significant difference in water demand between systems. Additionally, porosity of substrate and environmental conditions will affect water demand. Approximate water demands for **SureBroom** (45-pound bag) is 3.5 to 5.75 quarts (3.5 - 5.4 L) of clean water. While water demands vary, the steps for mixing remain constant:

1. Carefully measure needed clean water and pour into a 5-gallon (18.9L) pail.
2. If color is desired, use one (1) [SC TruColor™](#) color pack per 45-pound bag of **SureBroom**. Open [SC TruColor](#) and pour all the contents into the clean water in the 5-gallon pail.
3. Thoroughly mix the [SC TruColor](#) into the water, with a handheld concrete mixer equipped with a “Cage Mixing Blade”, on low speed for a minimum of 15 seconds.
4. Slowly introduce **SureBroom** into the pail while the mixer is running.

5. After all **SureBroom** has been added to the pail, 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 one minute after all ingredients are combined to achieve a lump-free consistency. Additional water can be added at this time, with total water demand not exceeding 5.75 quarts.

APPLICATION

*NOTE: On larger projects the use of a mortar mixer is allowed for the proper mixing of **SureBroom**. Careful consideration should be given to ensure water and color packs are properly measured to the exact bags of **SureBroom** being mixed (as mentioned in steps 1-6 under Mixing).*

All **SureBroom** applications are recommended to have a two-coat system, comprised of a Base Coat and a Finish Coat. If [SC TruColor](#) is going to be used, it should be added to both coats for the most accurate finish color.

BASE COAT

The base coat for **SureBroom** may be sprayed or applied with a broom, trowel, or squeegee. The intent of the base coat is to create a uniform substrate, which will allow for the finish coat to create the desired texture and finish. In the case of recreating a broom finish, the most common application is to broom the base coat and finish coat. The techniques listed below are based on application choice:

CONCRETE BROOM

1. Once the substrate has been properly prepped, ensure the surface is SSD (saturated surface dry) with no standing puddles.
2. Pour a generous ribbon of **SureBroom**. Using a standup squeegee, tightly squeegee the ribbon of **SureBroom** to the substrate, covering the entire area, by pushing the product.
3. While the base coat is still wet, use the concrete broom to evenly create the desired broom texture, by lightly dragging the broom in the same direction each time. Take care not to leave edges high from where you start and stop.

TROWEL / SQUEEGEE

1. Once the substrate has been properly prepped, ensure the surface is SSD (saturated surface dry) with no standing puddles.
2. Pour a generous ribbon of **SureBroom**. Tightly squeegee the ribbon of **SureBroom** to the substrate, covering the entire area, by pushing and/or pulling the product. Take care not to leave edges high from where you start and stop.

Note: If a broom finish is desired, while material is still wet, use a concrete broom and lightly drag the broom in the same direction each time. Take care not to leave edges high from where you start and stop.

SPRAYING

1. Once the substrate has been properly prepped, ensure the surface is SSD (saturated surface dry) with no standing puddles.
2. The spray gun should have its tip adjusted/placed to a ¼" (6.3mm). Other size orifices can be used, but will change the amount and flow of the material.
3. Setting for air compression should be approximately 8 ft² (.23m³) per minute at 40 psi (276 kPa) continuous.
4. Spray material straight down. Material should be placed at 100% coverage. This can be done by spraying in a circular motion, with material placed at the volume of it almost wanting to flow and self-level.

Note: If a broom finish is desired, while material is still wet, use a concrete broom and lightly drag the broom in the same direction each time. Take care not to leave edges high from where you start and stop.

STENCIL & TAPE PATTERNS (OPTIONAL)

Adhesive and Non-Adhesive stencils along with fiber reinforced tapes can elevate design elements in a SureBroom floor application. Apply any adhesive or non-adhesive stencils or tapes, once the overlay has dried to a uniform moisture level and can bare the weight of you walking on it (typically in 2 to 8 hours, depending on environmental conditions).

1. Scrape the floor or use a rubbing stone to eliminate all unwanted rough edges and or material standing taller than desired. Sweep floor so that it is free of all loose contaminants.
2. Stencils and tape patterns should be placed. Ensure that adhesive materials are pressed down to the surface, as to achieve maximum bond strength.

FINISH COAT

The finish coat for **SureBroom** can be sprayed or applied by broom, trowel, or squeegee. The intent of the finish coat is to create the desired texture and finish i.e.: Broom, Stipple (Bubble Finish), Swirl, Wood Grain, Sponge Float, Euro-Texture (Slop Trowel).

In the case of recreating a broom finish, the most common application is to broom the finish coat in the same direction as the base coat.

1. The base coat should be dried long enough so that it is a uniform moisture level and can bare the weight of the applicator. Approximately 2 to 8 hours, depending on environmental conditions (temperature, wind, humidity, direct sunlight).
2. Scrape the floor or use a rubbing stone to eliminate all unwanted rough edges and or material standing taller than desired. Sweep floor so that it is free of all loose contaminants.
3. The finish coat is applied in the same fashion as the techniques of the base coat mentioned above.
4. Stencils and tape patterns may be removed as soon as the finish coat has dried to a uniform moisture level and can bear

the weight of the applicator walking on it. How soon the stencil or tape patterns are removed can cause the material to chatter differently adding a 3D element to the patterns created.

SECONDARY COLORING

Depending on the finish coat texture selected, the use of secondary coloring is ideal. This process can complete the 3D effect and open up unlimited color designs. One may choose any of the three secondary coloring products listed below:

Eco-Stain - Water based penetrating translucent concrete stain (29 colors)

Eco-Accent - Dry antiquing agent that can be dispersed via its mixture into water or a solvent (10 colors)

SureStain - Low residue reactive acid stain (8 colors)

1. Once the finish coat has dried sufficiently, and all stencil and tape patterns have been removed, ensure the surface is free of all loose contaminants by scraping, sweeping, blowing, and/or vacuuming the floor.

NOTE: If the floor is troweled tightly, the use of SCR at a 4-1 dilution rate is advised to open the pores of the surface. Once the surface is completely dry, you can begin the secondary color application

2. Follow the application techniques from the TDS of the secondary coloring choice.

SEALING

To complete a **SureBroom** floor application, sealing is required. In cases where SC TruColor was added to the SureBroom and no secondary coloring was used, it should be sealed with a ColorTec sealer or coating such as:

- [ColorTec Acrylic](#) - 600 g/L Pigmented Solvent Acrylic
- [ColorTec Acrylic LV](#) - 400 g/L Pigmented Solvent Acrylic
- [ColorTec Acrylic WB](#) - Under 100 g/L Pigmented Water Based Acrylic
- [ColorTec 400](#) - Pigmented Solvent Polyurethane
- [ColorTec 400 WB](#) - Pigmented Water Based Polyurethane
- [ColorTec 180](#) - Pigmented Polyaspartic

For exterior flooring applications where a secondary coloring option has been used, a clear exterior sealer is recommended such as:

- [HS 300](#) - Slow Evaporating Clear Solvent Acrylic
- [HS 300 LV](#) - Slow Evaporating Clear Low VOC Solvent Acrylic

For interior flooring applications where a secondary coloring option has been used, a clear interior coating is recommended such as:

- [DK 400](#) - Solvent Polyurethane
- [DK 400 WB](#) - Water Based Polyurethane
- [DK 120](#) - Polyaspartic

Follow the application techniques from the TDS of the selected sealing choice.

SLIP RESISTANCE

Every SureBroom project should be engineered with safety in mind, guidelines can be found from OSHA (Occupational Safety and Health Administration) and the ADA (Americans with Disabilities Act). The applicator assumes responsibility to meet these standards. The ADA directs that accessible walkways have a minimum COF (coefficient of friction) of 0.6. On ramps, the ADA directs that it should be 0.8.

Achieving these COF ranges can be done in one of two ways: texture created by the cementitious overlay or the use of a gripping agent (see TDS for SureGrip) within desired sealer or coating. On the TDS for SureGrip you will find a COF chart. SureCrete will help guide and design floor systems to achieve needed COF on commercial and industrial projects.

SUITABILITY SAMPLE

Due to condition specific sites, always prepare an adequate number of test areas. Wear proper protection system and include aesthetic suitable for products' intended use. Onsite sample approval is especially critical in a substantial, heavy traffic situation or with custom coloration.

CLEAN-UP

Before SureBroom™ 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 that have read the complete SDS.

- SureBroom™ is formulated for use over concrete that is structurally sound, non-moving, and thoroughly clean.
- SureBroom™ floor system requires a sealer or coating. The limitations of chosen sealer/coating can have an effect on finished system. Refer to the TDS of chosen sealer/coating.
- SureBroom™ must NOT be used in areas subject to hydrostatic pressure, active water leaks, or continuous water immersion.
- SureBroom™ as with most cement-based products will have cracks or joints in the substrate reflect through.
- All substrate joints should be honored and extended up through the full depth of the SureBroom™. The installation must be engineered to allow for expansion and contraction of both the substrate and the SureBroom™.
- SureBroom™ by itself, is NOT designed to withstand harsh chemicals.

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 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 a 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

DENSITY

132 pounds/ft³ (2,114 kg/m³)

COMPRESSIVE STRENGTH - ASTM C-109

28 days 6,128 PSI (42,251 kPa)

FLEXURAL STRENGTH - ASTM C-348

28 days 1,575 PSI (10,859 kPa)

TENSILE STRENGTH - ASTM C-190

28 days 910 PSI (6,274 kPa)

ABRASION RESISTANCE ASTM D-4060

1 day - 1 gram lost

7 days - 1 gram lost

SHEAR BOND ASTM C-882

Modified / mortar scrubbed into substrate

7 days - 1,232 PSI (8,494 kPa)

28 days - 1,695 PSI (11,686 kPa)

SAFETY DATA SHEETS

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

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

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"/>

TRANSPARENT ACRYLIC WATER-BASED SEALER

DESCRIPTION

SuperSeal™ 20WB is a water-based thermoplastic all-acrylic sealer designed for interior or exterior use over all Spray-Tek™ overlay systems as well as bare concrete as a sealing, and dust-proofing compound. It can be applied to bare concrete without the use of a primer, or sprayed on concrete or concrete block, exhibiting excellent water resistance and resistance to water blushing.

WHERE TO USE

Use SuperSeal™ 20WB in interior or exterior, horizontal or vertical odor-sensitive locations, such as schools,

apartments, offices, and restaurants. Use on freshly placed or fully aged concrete.

ADVANTAGES

- Good Working Time
- No Odor
- Low VOCs
- Low Water Pickup
- Early Block Resistance
- Quick Drying
- Good Exterior Weatherability

TYPICAL DATA FOR SUPERSEAL 20WB - (MATERIAL AND CURING CONDITIONS AT 73°F UNLESS NOTED, 50% R.H.)

COLOR: Milky White (Dries Clear) VISCOSITY: 285 cps.
pH: 8.2-8.7 (ASTM E-70) CONSISTENCY: Water

Tack-free time – Substrate Temperature 70°F+

To Touch	To Recoat
30 mins	1.5 Hours

Film Clarity	Clear
Adhesion	225 to 350 g/mil (on glass)
Abrasion Resistance (ASTM D-658-44)	185 g/mil

Stain resistance (One Hour Exposure)

Ketchup	Excellent (no effect)
Mustard	Excellent (no effect)
"Kool-Aid"	Excellent (no effect)
Grape Juice	Excellent (no effect)
Coffee	Excellent (no effect)
Chocolate Syrup	Excellent (no effect)
Tincture of Iodine	Fair
Coal Tar	Poor

Chemical resistance (One Hour Exposure with no Evaporation)

Used Motor Oil	Excellent (no effect)
DI Water	Excellent (no effect)
10% Sodium Hydroxide	Excellent (no effect)
10% Sodium Chloride	Excellent (no effect)
10% Calcium Chloride	Excellent (no effect)
3% Trisodium Phosphate	Excellent (no effect)
10% Ammonia	Excellent (no effect)
10% Hydrochloric Acid	Good
Brake Fluid	Poor
100 proof alcohol	Fair
Gasoline	Fair
Skydrol	Poor

Water Blushing Resistance on Black Pigmented Concrete
48 hr in Fog Box No noticeable effect

Water Blushing Resistance on Black Pigmented Concrete
6 months Clear when wet with no visual defects

PACKAGING

SuperSeal™ 20WB is available in one-gallon (3.8 L) and five-gallon (18.925 L) containers and fifty-five gallon (208.175 L) drums.

SURFACE PREPARATION

All substrate surfaces must have all loose and deterioration removed to a sound surface. Concrete and other substrates must be clean, sound, and free of dust, grease, waxes, coatings, curing compounds and all contaminants. Concrete surfaces should be etched with a solution of 1 part Muriatic Acid to 4 or 5 parts water, and washed with high pressure water using a minimum of 3000 psi @ 3 or more gallons per minute. If use of acids and/or copious amounts of water are

not possible, the surface should be thoroughly scrubbed, preferably using a buffer type machine with a mild low-suds soap or TSP (Tri-Sodium Phosphate) solution. After scrubbing, rinse the area with clean water and vacuum or mop to remove all water residue. The surface must be allowed to dry completely.



PRECONDITIONING SEALER

For best results, pre-condition SuperSeal™ 20WB by storing it in the area to be applied, or at a temperature similar to the ambient conditions for the installation. Using cold material may dramatically extend dry times, and can also result in a permanent whitening of the sealer due to the fact that it is drying on top while still wet underneath. This can also occur when using material that is too hot. For overall best results, store material at room temperature at all times.

MIXING

No mixing is required; however, if material has been stored for a long period of time, a gentle stirring is advisable. Mix in a manner that will not introduce air and create bubbles. **DO NOT MIX AT HIGH SPEED!**

COVERAGE

Approximately 300-400ft² per gallon. Coverage varies with application method, porosity, and density of concrete. To seal and dustproof, 2 coats are required.

APPLICATION METHODS

1. Apply a continuous, uniform film by low-pressure spray, short-nap roller, or lamb's wool applicator. Low pressure hand-pump sprayer is recommended for best results.
2. For curing, only 1 coat is necessary. Apply evenly as soon as possible after final finishing. To seal and dustproof, 2 coats must be applied at the recommended rates. Apply the second application when all trades are completed and the site is ready for occupancy.
3. SuperSeal™ 20WB applied at 40 to 50° F (4 to 10° C) may retain a white appearance for extended periods, depending on temperature variations. This condition should be temporary. Warmer temperatures will allow the material to dry and clear.

LIMITATIONS

- Not to be used on surfaces to receive concrete overlays or additional toppings, coatings, sealers, or ceramic tile (without proper surface preparation).
- Do not use in areas that require resistance to solvents.
- Do not subject to rain or water until SuperSeal™ 20WB dries hard.
- Do not apply in extremely humid conditions (>70-80%RH)

DRYING TIMES

At 77° F (25° C) and 50% relative humidity. The drying time of water-based materials is directly influenced by temperature and relative humidity. Low concrete or air temperatures or high relative humidity will extend drying times.

Light foot traffic: 4 hours.

Normal traffic: Overnight.

Maximum hardness: 7 days.

MAINTENANCE

For maximum life expectancy, routinely sweep and wash floors with appropriate cleaners and detergents. All chemicals or abrasive grit should be removed as soon as possible.

IMPORTANT INFORMATION

Use of safety goggles, chemical-resistant gloves, adequate ventilation and NIOSH/MSHA approved respirator is recommended.

CLEAN UP

In case of spills wear suitable protective equipment, contain spill, collect with absorbent material, place in suitable container. Clean all tools with soap and warm water. Dispose according to applicable local, state, and federal regulations.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. For respiratory problems, remove person to fresh air. Contact Physician Immediately. Wash clothing before re-use.

Consult Material Safety Data Sheet for More Information

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINERS TIGHTLY CLOSED

SHELF LIFE – 1 year in original unopened container

WARRANTY

This product is not intended for public use and is intended for use by licensed contractors and installers, experienced and trained in the use of these products. It is warranted to be of uniform quality, within manufacturing tolerances. The manufacturer has no control over the use of this product, therefore, no warranty, expressed or implied, is or can be made either as to the effects or results of such use. In any case, the manufacturer's obligations shall be limited to refunding the purchase price or replacing material proven defective. The end user shall be responsible for determining product's suitability and assumes all risks and liability.

PLAN SPECIFICATION

SuperSeal™ 20WB Suggested Short Form Specification:
All concrete flatwork designated as being sealed in the plans and specifications shall be sealed with 1-2 light even coats of SuperSeal™ 20WB, at the rate of approximately 250 to 300 square feet per gallon (6.13 – 7.36 m²/L), manufactured by CCI 800-443-2871, Layton, UT. SuperSeal™ 20WB shall be applied in accordance with the SuperSeal™ 20WB Technical Information Sheet.

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SECTION 1 - IDENTIFICATION

PRODUCT NAME: SCR
PRODUCT CODE: SC-15104002
RECOMMENDED USE: PAINT OR PAINT RELATED MATERIAL

MANUFACTURER: SURECRETE DESIGN PRODUCTS
ADDRESS : 15486 US HWY 301
DADE CITY, FL 33523 USA
TELEPHONE: 352-567-7973 E-mail: safety@fenixspc.com
24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS05 - CORROSION GHS07 - EXCLAMATION MARK

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	CATEGORY 1
SKIN CORROSION / IRRITATION	CATEGORY 1
TOXIC TO SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	CATEGORY 3

HAZARD STATEMENTS:

H290 May be corrosive to metal.
H303 May be harmful if swallowed
H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

PRECAUTIONARY STATEMENTS:

PREVENTION:

P234 Keep only in original packaging.
P260 Do not breath dusts/fume/gas/mist/vapors or spray.
P264 Wash hands and any exposed area thoroughly after handling.
P280 Wear protective impervious gloves/ OSHA approved eye
protection/face protection.
P285 In case of inadequate ventilation wear appropriate organic vapor
respiratory protection.

RESPONSE:

P301+P312 If swallowed: Call a Poison Center / doctor if you feel unwell.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for
breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/ emergency responder.
P321 Specific treatment (see on this label)
P330 Rinse mouth.
P342+P311 If experiencing respiratory symptoms: Call a Poison

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Center/doctor.

P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

STORAGE:

P405 Store locked up.
P406 Store in corrosive resistant/ . . . container with a resistant inner liner.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

OTHER HAZARDS: NONE KNOWN

HMIS RATING:

H	F	R	PPE
1	0	0	B

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT		EXPOSURE LIMITS	
		PERCENT	OSHA PEL	ACGIH TLV	OTHER
+*^ Hydrogen Chloride	7647-01-0	5.03		5 PPM	5 PPM

- * Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
- + Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
- ^ Hazardous Air Pollutant established by the EPA as directed by the Clean Air Act of 1990.

SECTION 4 - FIRST AID MEASURES

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

DESCRIPTION OF FIRST AID MEASURES:

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.
SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.
INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.
INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

EYES: Contact with eyes may result in permanent visual loss unless removed quickly by thorough irrigation with water.
SKIN: Corrosive to skin and mucous membranes. Contact with skin may cause severe irritation and burns. May be absorbed through skin in toxic amounts.
INHALATION: Contact with liquid, mist, or vapor can cause immediate irritation or corrosive burns to all human tissue. Inhalation of concentrated vapor or mist will damage upper respiratory tract and lung tissues.
INGESTION: May be fatal if swallowed in sufficient amounts. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

CHRONIC HEALTH EFFECTS:

Repeated exposure may cause chronic bronchitis or respiratory inflammation. Repeated skin contact with dilute solutions

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may cause dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

SUITABLE EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

In the event of fire, harmful vapors including carbone monoxide, carbond dioxide, and others may be released. There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Evacuate area and keep unnecessary and

unprotected personnell from entering the spill area. Use proper personal protective equipment listed in section 8.

ENVIRONMENTAL PRECAUTIONS: Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and

waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain all spills. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Collect into suitable contaners and dispose of properly in accordance with all applicable regulations. (See Section 13) Rinse affected area thoroughly with water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

PRECAUTIONS FOR SAFE STORAGE:

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

PERSONAL PROTECIVE EQUIPMENT:

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

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PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Clear (Water white)

ODOR: Characteristic

pH: Not Determined

ODOR THRESHOLD: Not measured

SOLUBILITY IN WATER: Dilutable

MELTING/FREEZING POINT: Not Determined

BOILING POINT/RANGE: n/a

SPECIFIC GRAVITY (H₂O=1): 1.02

VAPOR DENSITY: Greater Than Air

EVAPORATION RATE: Not Determined

FLAMMABILITY: Not determined

FLASH POINT: No flashn/a

VAPOR PRESSURE: Not Determined

UPPER EXPLOSION LIMIT: n/a

AUTO-IGNITION TEMPERATURE: Not Determined

LOWER EXPLOSION LIMIT: n/a

PARTITION COEFFICIENT: Not Available

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Determined

COATING V.O.C.: 0 g/l (0.0 lb/gl)

===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

REACTIVITY: Will not occur.

CHEMICAL STABILITY:

Stable under normal conditions and handling.

POSSIBILITY OF HAZARDOUS REACTIONS:

No hazardous reactions if stored and handled as prescribed/indicated.

CONDITIONS TO AVOID:

None known

INCOMPATIBLE MATERIALS:

Highly reactive with most metals - produces flammable hydrogen. Reactions with alkalis and active metals generate an exotherm. Mixing with strong oxidizers can produce poisonous chlorine gas. Reacts with cyanides to produce hydrogen cyanide and with sulfides producing hydrogen sulfide.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia. Explosive hydrogen gas is generated by the action of acid on most metals. Chlorine gas is released when acid is mixed with strong oxidizers. Reacts with formaldehyde to product bischloromethyl ether, on OSHA regulated carcinogen.

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

SENSITIZATION:

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:

There is no data to indicate that any component present at greater than 0.1% will alter DNA.

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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

PERSISTENCE AND DEGRADABILITY:

Not readily degradable.

BIOACCUMULATIVE POTENTIAL:

No data available.

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS: No known effects or critical hazards. No data available. This product is an acidic and corrosive. It can be neutralized with lime.

SECTION 13 - DISPOSAL CONSIDERATIONS

Material is considered a hazardous waste under RCRA due to pH (less than or equal to 2 or greater than or equal to 12.5). Spills may be reportable to state and federal agencies under the Clean Water Act. Comply with all federal, state, and local environmental regulations concerning disposal.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

UN1789, Hydrochloric Acid Solution, 8, II

SECTION 15 - REGULATORY INFORMATION

US TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: None

SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

SARA 313 (TRI REPORTING):

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 3.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
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CALIFORNIA PROPOSITION 65

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

SECTION 16 - OTHER INFORMATION

REVISION DATE: 11/30/18

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, The Sierra Company, LLC, cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall The Sierra Company, LLC, assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. The Sierra Company, LLC, expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non-infringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. The Sierra Company, LLC, reserves the right to make any changes to the information and/or recommendations at

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any time, without prior subsequent notice.

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SECTION 1 - IDENTIFICATION

PRODUCT NAME: SUREBROOM GRAY
PRODUCT CODE: SC-25101003
RECOMMENDED USE: PAINT OR PAINT RELATED MATERIAL

MANUFACTURER: SURECRETE DESIGN PRODUCTS
ADDRESS : 15486 US HWY 301
DADE CITY, FL 33523 USA
TELEPHONE: 352-567-7973 E-mail: safety@fenixspc.com
24 HOUR EMERGENCY PHONE: CHEMTREC 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

HAZARD RISK CLASSIFICATION

SIGNAL WORD: DANGER

PICTOGRAM:

GHS05 - CORROSION GHS07 - EXCLAMATION MARK GHS08 - HEALTH HAZARD

HAZARD CLASS

HAZARD CATEGORY

ACUTE TOXICITY	CATEGORY 4 ORAL
ACUTE TOXICITY	CATEGORY 4 DERMAL
SKIN CORROSION / IRRITATION	CATEGORY 1
CARCINOGENICITY	CATEGORY 1 (BOTH 1A AND 1B)
TOXIC TO SPECIFIC TARGET ORGAN	CATEGORY 1
TOXICITY - SINGLE EXPOSURE	

HAZARD STATEMENTS:

H302+H312 Harmful if swallowed or in contact with skin
H314 Causes severe skin burns and eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 May cause respiratory irritation
H350-1 May cause cancer by inhalation. # Chemical(s) which may be considered a cancer hazard by IARC and/or NTP. Refer to section 11 for further information.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breath dusts/fume/gas/mist/vapors or spray.
P264 Wash hands and any exposed area thoroughly after handling.
P270 Do not eat, drink or smoke while using this product.
P271 Use only outdoors or in well-ventilated area.
P280 Wear protective impervious gloves/ OSHA approved eye protection/face protection.

RESPONSE:

P301+P310 If swallowed: Immediately call a Poison Center / doctor.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P302+P350 If on skin: Wash with plenty of soap and water.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 If exposed or concerned: Get medical advice / attention. P312
Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label)
P330 Rinse mouth.
P363 Wash contaminated clothing before reuse.

STORAGE:

P402 Store in a dry place.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

OTHER HAZARDS: NONE KNOWN

HMIS RATING:

H F R PPE
1 0 0 E

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	WEIGHT		EXPOSURE LIMITS		
		PERCENT	OSHA PEL	ACGIH TLV	OTHER	
* Microcrystalline Silica (Quartz)	14808-60-7	59.8		10 MG/M3	0.05 MG/M3	
Portland Cement	65997-15-1	20-25		15 MG/M3	10 MG/M3	NUISANCE DUST

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

SECTION 4 - FIRST AID MEASURES

PRIMARY ROUTES OF EXPOSURE:

Skin contact, eye contact, and inhalation.

DESCRIPTION OF FIRST AID MEASURES:

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation.

INHALATION: Brief exposures to nuisance dust concentrations above the 8-hour recommended TLV should pose no acute health problems.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Treat symptomatically.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

SUITABLE EXTINGUISHING MEDIA:

This product is not a fire hazard in powder or slurry form, special fire fighting procedures or extinguishing media are not applicable

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

None known.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: Evacuate area and keep unnecessary and unprotected personnell from entering the spill area. Use proper personal protective equipment listed in section 8.

ENVIRONMENTAL PRECAUTIONS: Keep runoff from storm sewars, ditches, streams, lakes and other ground waters and waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:

Contain all spills. This material is not classified as a hazardous waste, substance or toxic pollutant. Collect into suitable containers and dispose of properly in accordance with all applicable regulations. (See Section 13)

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

PRECAUTIONS FOR SAFE STORAGE:

No special requirements.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS: SEE SECTION 3 FOR OCCUPATIONAL EXPOSURE LIMIT VALUES

ENGINEERING CONTROLS: General room ventilation is adequate.

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

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Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Solid (powder)	COLOR: White
ODOR: Odorless.	pH: Not Determined
ODOR THRESHOLD: Not measured	SOLUBILITY IN WATER: Insoluble/Negligible
MELTING/FREEZING POINT: Not Determined	BOILING POINT/RANGE: n/a
SPECIFIC GRAVITY (H2O=1): 2.57	VAPOR DENSITY: Greater Than Air
EVAPORATION RATE: Not Determined	FLAMMABILITY: Not determined
FLASH POINT: n/a	VAPOR PRESSURE: Not Determined
UPPER EXPLOSION LIMIT: n/a	AUTO-IGNITION TEMPERATURE: Not Determined
LOWER EXPLOSION LIMIT: n/a	PARTITION COEFFICIENT: Not Available
DECOMPOSITION TEMPERATURE: Not Available	VISCOSITY: Not Determined
COATING V.O.C.: 0 g/l (0.0 lb/gl)	

SECTION 10 - STABILITY AND REACTIVITY DATA

REACTIVITY: Will not occur.

CHEMICAL STABILITY:
Stable under normal conditions and handling.

POSSIBILITY OF HAZARDOUS REACTIONS:
No hazardous reactions if stored and handled as prescribed/indicated.

CONDITIONS TO AVOID:
None known

INCOMPATIBLE MATERIALS:
None known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Reacts with acids to liberate Carbon Dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

SENSITIZATION:
None known.

CARCINOGENICITY:
The indicated chemical(s) is listed by ICGIH, NTP, or OSHA as a known human carcinogen (See section 2). IARC has classified respirable crystalline silica in the form of quartz or cristobalite as a group 1 carcinogen. NTP classifies respirable crystalline silica as "reasonably anticipated to be a carcinogen". Because this product is a free flowing liquid, dust inhalation is not an expected route of exposure.

REPRODUCTIVE TOXICITY:
There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):
There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:
There is no data to indicate that any component present at greater than 0.1% will alter DNA.

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY:
No data available.

PERSISTENCE AND DEGRADABILITY:
Not readily degradable.

BIOACCUMULATIVE POTENTIAL:
No data available.

MOBILITY IN SOIL:
No data available.

OTHER ADVERSE EFFECTS: Although no information is available for this specific product mixture, individual components may by themselves may have ecological affects.

SAFETY DATA SHEET

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=====**SECTION 13 - DISPOSAL CONSIDERATIONS**=====

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

=====**SECTION 14 - TRANSPORT INFORMATION**=====

PROPER SHIPPING NAME: (UN #, SHIPPING NAME, HAZARD CLASS, PACKING GROUP)

Not regulated.

=====**SECTION 15 - REGULATORY INFORMATION**=====

US TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: None

SARA 311/312 HAZARDOUS CHEMICAL: See Section 3

SARA 313 (TRI REPORTING):

This product does not contain a chemical subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372) above de minimis concentrations.

STATE LISTED COMPONENTS	CAS NUMBER	STATE CODE
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CALIFORNIA PROPOSITION 65

This product contains a chemical(s) known to the state of California to cause cancer, birth defects or reproductive harm, which are subject to the requirements of California Proposition 65.

Crystalline Silica (If airborne particles of respirable size) Cancer

=====**SECTION 16 - OTHER INFORMATION**=====

REVISION DATE: 11/27/18

This version replaces all previous versions. The information contained in this SDS and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Although certain hazards are described herein, The Sierra Company, LLC, cannot guarantee that these are the only hazards that exist. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall The Sierra Company, LLC, assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. The Sierra Company, LLC, expressly disclaims any representations and warranties of any kind, whether express or implied, as to the accuracy, completeness, non-infringement, merchantability and/or fitness for a particular purpose with respect to any information and recommendations provided. The Sierra Company, LLC, reserves the right to make any changes to the information and/or recommendations at any time, without prior subsequent notice.

SECTION 1 - PRODUCT IDENTIFICATION

Common Name: SuperSeal 20WB
Description: **Water** based acrylic sealer
Manufacturer/Supplier: Concrete Coatings Inc.
 PO Box 150071
 Ogden, UT 84415
 1-800-443-2871

Emergency: **Chemtrec** 1-800-424-9300

Hazard Rating		Scale
Health	1	4 = Extreme
Flammability	1	3 = High
Reactivity	0	2 = Moderate
Special	G	1 = Slight
		0 = Insignificant

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components Chemical & Common Names	CAS No.	Percent By Weight	OSHA PEL	OSHA STEL	ACGIH STEL	ACGIH TLV
Propylene Glycol Phenyl Ether Water	770-35-4	5 75	N.E. N/A	N.E. N/A	N.E. N/A	N.E. N/A

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 469 ° F
Freeze Point: 32 ° F
Specific Gravity (Water = 1): 1.0312
Vapor Pressure (mm Hg): N/D
Vapor Density (Air = 1): Is heavier than air
Solubility in Water: Appreciable Acetate
Evaporation Rate
(Butyl Acetate=1) Slower than Butyl
Appearance & Odor Milky liquid with an acrylic odor
PH: N/A
Viscosity N/A

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: Closed Cup: 240 ° F
Flammable Limits: **Lower Explosive Limit:** 0.7%
Upper Explosive Limit: 9.4%
Extinguishing Media: Carbon Dioxide, Dry Chemical, and Water Fog.

Unusual Fire/Explosion
Hazards: Solid stream of water or foam may cause frothing.
Special Firefighting
Procedures: Firefighter must wear self-contained breathing apparatus and full protective gear.

SECTION 5 – REACTIVITY DATA

Stability:	Stable under normal conditions
Conditions to avoid:	Long term exposure to elevated temperatures
Incompatible with:	Strong Oxidizers or bases. Strong Lewis or mineral acids.
Hazardous decomposition products:	Acid fumes, Oxides of carbon.
Hazardous polymerization:	Will not occur under normal conditions.

SECTION 6 HEALTH HAZARD DATA

Carcinogenicity:	NO
IARC:	NO
OSHA Regulated?:	NO
Effects of Overexposure:	

Inhalation: Slightly irritating to respiratory tract.

Skin Contact: May cause irritation.

Eye Contact: May cause slight irritation

Ingestion: Irritating to mouth, throat, and stomach

Emergency and First Aid Procedures

Eye Contact: Flush eye with large amounts of water for at least 15 minutes and contact physician.

Skin Contact: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

Inhalation: Move individual to fresh air immediately if symptoms occur. If breathing becomes difficult, administer oxygen, and consult physician immediately. If breathing has stopped, apply applicable CPR procedures and contact physician immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

SECTION 7 – SPILL OR LEAK PROCEDURES

If Material Spills or Leaks: Absorb material with inert media and dispose of in a chemical-waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches, which leads to waterways.

Waste Disposal: Empty containers may contain product residue and may still be hazardous. Dispose of in accordance with local, state and federal regulations.

SECTION 8 – SAFE HANDLING AND STORAGE INFORMATION

Respiratory Protection	Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.
Ventilation:	Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.
Protective Equipment:	Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean, protective clothing to cover arms and legs to keep exposure to a minimum.
Other Equipment and Practices:	Do not take internally. Wash thoroughly after handling. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.
Special Precautions for Handling and Storage:	Keep out of reach of children. Keep container closed when not in use.

SECTION 9 – SHIPPING INFORMATION

DOT Shipping Name: Paint Related Material
DOT Hazard Class: N/A

SECTION 10 – REGULATORY INFORMATION

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Cercla - Sara hazard category:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- **CHEMICAL NAME** ----- **CAS NUMBER** **WT/WT % IS LESS THAN**
No SARA Section 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- **CHEMICAL NAME** ----- **CAS NUMBER** **WT/WT % IS LESS THAN**
No information is available.

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- **CHEMICAL NAME** ----- **CAS NUMBER** **WT/WT % IS LESS THAN**

No Proposition 65 chemicals exist in this product.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

USERS RESPONSIBILITY & DISCLAIMER OF LIABILITY: A bulletin such as this cannot be expected to cover all possible situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where precautions – in addition to those described herein are required. Although the information contained herein is based on data considered to be accurate, all materials present unknown health hazards, and should be used with caution and by properly trained personnel. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any health hazard and safety information should be passed onto your customers or employees, as the case may be. Final suitability of the chemical for each circumstance is the sole responsibility of the end user. No representation or warranties either expressed or implied, of merchantability, fitness for a particular purpose, or any other nature are made hereunder with respect to the information contained herein, or the chemical to which the information refers. It is the sole responsibility of the end user to comply with all applicable federal, state and local laws and regulations. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed.