

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.