SCR™
TECHNICAL DATA SHEET

SURECRETE®

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
✓	✓	✓	✓	✓	✓

COLORTEC ACRYLIC-WB

PIGMENTED WATER-BASED ACRYLIC

View More Info for this Product at
www.surecretedesign.com/product/wb-outdoor-concrete-paint

TECHNICAL DATA SHEET

ColorTec Acrylic-WB

Pigmented Water Based Acrylic

SURECRETE®

PACKAGING
1 gal. (3.8 L) pail
5 gal. (18.9 L) pail
55 gal. (208 L) drum

COLORS
30 – standard colors
228 – ***On-Demand*** colors

COVERAGE
Varies upon substrate: approximately 160 - 200 ft² per gal., per coat (14.9 - 18.6 m² per 3.8 L, per coat) 8 – 10 mils wet; 2.4 – 3 mils cured.

SHELF LIFE
Under normal, moisture free conditions 12 months for unopened container.

DESCRIPTION

ColorTec Acrylic-WB™ is a 30% solids, water based, low VOC (<50 g/L), strong binding, color, satin acrylic sealer for Sure-Crete overlays or any cement based product. This product contains a hybrid, self-cross-linking, acrylic resin with built-in water repellence and tenacious penetration and adhesion. It contains no wax or silicone additives. Pigments are specifically formulated for UV stability, will not blush, and retain long gloss retention. ***ColorTec Acrylic-WB*** is non-flammable and environmentally safe.

SURFACE PREP

The principles for surface preparation for ***ColorTec Acrylic-WB*** are aligned with other coating systems placed on concrete or cement based overlays, the substrate must be:

1. Clean: The surface must be free of dust, dirt, oil, grease, paints, glues, non- acrylic 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 complete hydration, approximately 28 days depending on temperatures & humidity. Cement based overlays typically cure sufficiently within 2 – 3 days.

3. Sound: No system should be placed on concrete or cement based overlay that is flaking or spalling. If the surface is delaminating, then diamond grinding, shot blasting, or other mechanical means should be used to remove the delaminating areas.

4. Profiled: Proper profile should follow the standard established by the International Concrete Repair Institute (ICRI) Technical Guideline no. 03732 for Concrete Surface Profile (CSP). The established profile is categorized as CSP-1.
The most common means to properly profile many concrete slabs (especially exterior slabs) is through the use a pressure washer equipped with a turbo-tip and ***SCR*** (see ***SCR*** TDS). In one step ***SCR*** profiles, cleans, and provides a measure of degreasing. Some concrete slabs that are hard troweled may require more aggressive profiling through diamond grinding or shot blasting.
Customarily cement based overlays do not require profiling.

Recoats
Pigmented WB may serve as an excellent choice to reseal or refresh an existing decorative concrete project. The surface should be cleaned with a pressure washer and ***SCR*** (see ***SCR*** TDS).

a) Any old, loose and flaky sealer that is still present must be removed.
- Chemically: ***Fast-Strip Plus, Enviro-Strip*** (see appropriate TDS), or other commercial stripper.
- Mechanically: diamond grinding or shot blasting

b) This product should only recoat an existing water based acrylic. Determine a substrate's unknown existing sealer by placing a paper towel saturated with xylene over a small area. Cover the towel with plastic and allow it to remain in place for 15 minutes. Solvent based acrylic may feel slippery to the touch, but water based acrylic turns into a slimy mess that can be scraped off easily.

c) Before recoating, prepare on-site a small test area on the intended substrate to establish compatibility and avoid delamination.

d) Recoat applications may be complete with a single coat, always evaluate surface to see if a second coat is needed. Best performance is achieved through thin coat(s).

APPLICATION

Planning
1. Provide for ventilation so that vapors do not accumulate if spraying product.
2. Select appropriate PPE (personal protection equipment). Use of a NIOSH approved respirator may be required in confined area or if spraying. Refer to SDS.

Mask all areas requiring protection.

Temperature / weather
1. Avoid application on extremely cold or hot days or during wet, foggy weather.
2. Apply with ambient and surface temperatures ranging above 50°F (10°C) and below 90°F (32°C) and that will remain within ranges for at least 24 hours following application.
3. Do not apply outside if precipitation is forecast within 24 hours of application.
4. Substrate must be dry throughout all steps.

Mixing
Mechanically mix with "Jiffy" style mixer blade for 3 minutes at medium speed for complete dispersal of pigments. Use caution not to entrain air during mixing.

First coat
Rolling
1. Utilize a bucket grid to apply in a thin film.

Technical Data Sheet

2. Roller covers require a solvent resistant core.
3. The correct nap size varies due to texture. For example ¾" is recommended for heavy textured patterns, while ¼" mohair is recommended for very smooth surfaces.
4. Do not allow puddling.
5. Exercise care to eliminate roller tracks through back rolling.

Airless Spraying

1. Airless sprayer should be capable of a minimum .5 gpm discharge.
2. Tip size should be approximately .015" - .019" with 65° fan.
3. For horizontal surface utilize an 8" – 10" extension.
4. Maintain a wet edge between passes.

Pump-up Sprayer

1. Select solvent resistant sprayer.
2. Select fan or cone tip as preferred that can pass 30% solids product.
3. Have sufficient tips on hand to allow clean-up that will not interrupt application.
4. If necessary, backroll sprayed area to lay product flat.

When first coat is able to be walked on, it may receive a second coat. To accomplish complete hide (i.e. complete and even color coverage) a second coat is desired. Customarily two thin coats achieve best performance.

Second Coat

Applies identical to first coat.
Allow 24 hours cure time prior to foot traffic.
Allow 72 hours cure time prior to vehicular traffic.

SLIP RESISTANCE

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

SUITABILITY SAMPLE

Due to condition specific sites, always prepare an adequate number of test areas. Wear protection system and aesthetic suitability for products' intended use should be included. On site sample approval is especially critical on substantial, heavy traffic situation, custom coloration, and desired hide.

CLEAN-UP

Before ***ColorTec Acrylic-WB*** dries; spills and tools can be cleaned up with water.

DISPOSAL

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

LIMITATIONS

- For use by trained professionals that have read the complete SDS.
- Product performs best upon a concrete slab that has no ponding of standing water.
- When masking use caution while taping to a floor that is not completely cured, especially at edges, as delamination may occur.
- Protect from metal wheel traffic and some furniture where point of contact may be damaging.
- Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Product is flammable. Avoid sources of ignition. Keep areas ventilated to prevent the accumulation of vapors. **Inhalation:** Use NIOSH approved respirator for organic vapors. **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. If contact occurs, flush eyes with water for 15 minutes, seek medical attention.

DESCRIPTIVE DATA

Appearance (cured)	Color satin
Appearance (wet)	Color
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids	30%
Diluent	Hydrocarbons
Storage Stability	1 year
Odor	Slight ammonia / banana
Application Temperature	50°F – 90°F (10° - 32°C)
VOC content	<50 g/L

TEST DATA

Test	ASTM (if applicable)	Results
Blush	4 hr. dry / 18 hr. immersion	No blush
Adhesion	D-3359	
Dry Concrete		Excellent
Wet Concrete		Excellent
QUV accelerated weather testing	G-53	250 hr. – no blistering, no yellowing
Abrasion resistance		12.5 grams loss
Block resistance	D-4946	Excellent
Heat stability @ 120°F (49°C)	D-1849	Excellent
Film formation @ 40°F (4°C)		Passed
Water absorption		2.4 g /m^3
Pencil hardness	D-3363	HB-H
Hot tire pick-up		Passed*

*Under extreme circumstances delaminating could occur. All tire manufacturers were not tested. Chemicals used in tire manufacturing may be detrimental to all sealers from vehicular parking.

CHEMICAL RESISTANCE

TESTING ASTM D-1308	
Transmission fluid	Resistant
Gasoline	Remove immediately
Formula 409	Resistant
Motor oil	Resistant
Brake fluid	Remove immediately

SAFETY DATA SHEETS

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

- sealers-sureseal-pigmented-wb-sds.pdf