

COLORTEC ACRYLIC

PIGMENTED SOLVENT ACRYLIC SEALER



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DESCRIPTION

ColorTec Acrylic™ is a single-component, 30% acrylic solids, 600 g/L, color sealer developed for SureCrete overlays or any cement based product. It is vapor permeable, yet reduces the penetration of fluids into the surface. **ColorTec Acrylic** will enhance the beauty, improve stain and abrasion resistance for driveways, garage floors, patios, walkways, pool decks, stucco, and concrete block. Pigments are specifically formulated for UV stability, will not blush, and retain long gloss retention.

SURFACE PREP

The principles for surface preparation for **ColorTec Acrylic** 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 SB 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 solvent based acrylic. Determine a substrate's unknown existing sealer by placing a paper towel saturated with xylene over a small area. Cover



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.

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 of solvents and avoid blistering and 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. Product is flammable. Interior applications, turn off all fuel burning appliances and pilot lights.
2. Provide for ventilation so that vapors do not accumulate.
3. Select appropriate PPE (personal protection equipment). Use of a NIOSH approved respirator may be required. 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.
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** dries; spills and tools can be cleaned up with a solvent such as xylene or acetone.

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 | solvent |
| Application Temperature | 50°F – 90°F (10° - 32°C) |
| VOC content | 600 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-sb-sds.pdf](#)