SEALERS AND COATINGS

CS 250
CURE & SEAL



View More Info for this Product at
http://www.surecretedesign.com/cs250/

TECHNICAL DATA SHEET

CS 250

Acrylic Cure & Seal

SURECRETE DESIGN PRODUCTS

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

COVERAGE
Varies upon substrate: approximately 300 - 500 ft² per gal., per coat (16.7 - 18.6 m² per 3.8L, per coat) 3 – 5 mils wet; 0.8 – 1.3 mils cured

SHELF LIFE
Under normal, moisture free conditions 2 years for unopened container.

TECHNICAL DATA SHEET

DESCRIPTION

CS 250 is a 25% solids finishing membrane that enhances the curing process of freshly placed concrete and provides protection simultaneously. Upon application it forms a water retentive film that beneficially restricts moisture loss allowing concrete to reach its optimal cure and hardness, providing an economical alternative to costly, time-consuming water curing. ***CS 250*** is a color enhancing, gloss coat helpful in preventing dusting, spalling, moisture and chemical migration through a slab and improves resistance to freeze/thaw cycles. It protects during the many phases of construction from incidental staining, UV protection, and abrasion resistance. ***CS 250*** improves any concrete upon placement: driveways and sidewalks, stamped concrete, exposed aggregate, terrazzo, parking garages, or any other slab, whether industrial, commercial, or residential. This product should not serve as a sealer for concrete overlay systems.

SURFACE PREP

The principles for surface preparation for ***CS 250*** has few similarities with other coating systems placed on concrete:

1. Clean: The surface must be free of dust, dirt, oil, grease, release agents, and other foreign matter that may serve as a bond breaker.

2. Not Cured: After concrete is placed and final finished (i.e. troweling or brooming are completed) and concrete can bear the weight of applicator, ***CS 250*** may be applied. The surface must be free of water.

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.

First coat

Pump-up Sprayer

1. Select solvent resistant sprayer.
2. Select fan or cone tip as preferred that can pass 25% solids product.
3. Have sufficient tips on hand to allow clean-up that will not interrupt application.
4. Exercise care to create a consistent spray pattern.
5. If required, backroll sprayed area to lay product flat.

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. Maintain a wet edge between passes.

When first coat is able to be walked on, it may receive a second coat. Best results are achieved through 2 thin coats*.

Second Coat

Applies identical to first coat.
Allow 24 hours cure time of final coat prior to foot traffic.
Allow concrete to cure prior to vehicular traffic*.

* Note: ***CS 250*** is not designed as a stand-alone sealer. After concrete has cured, for optimum performance, finished product should be sealed with one of SureSeal solvent based sealers (see appropriate TDS).

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 or custom coloration.

CLEAN-UP

Before ***CS 250*** 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)	Clear Gloss
Appearance (wet)	Clear
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids	25%
Diluent	Hydrocarbons
Storage Stability	2 years (unopened container
Odor	solvent
Application Temperature	50°F – 90°F (10° - 32°C)
VOC content	600 g/L

SAFETY DATA SHEETS

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

- sealers-cs-250-sds.pdf

TECHNICAL DATA SHEET