

SS Cure & Repel



Technical Data Sheet [04/10/15]

CHEMICAL REACTIVE CURING COMPOUND AND WATER REPELLENT

PRODUCT DESCRIPTION

SS Cure & Repel is a dual functioning chemical reactive curing compound and water repellent with a low viscosity for better penetration on concrete substrates. SS Cure & Repel's unique formulation provides superior water and salt resistance compared to standard sealers used to protect exterior concrete. Improved resistance to de-icing road salts, salt water pool systems, rain, sleet and snow are achieved with our advanced chemical reactive formula.

BENEFITS AND FEATURES

- Will not change the color of the concrete.
- Reduces water absorptions into the substrate, thus reducing spalling due to freeze-thaw and efflorescence, thereby increasing the life of the substrate.
- Minimizes damage due to water and salt water from de-icing road salts and salt water pool systems.
- VOC Compliant formula to meet EPA Aim regulations within the U.S. and Canada for concrete curing compounds.

RECOMMENDED APPLICATIONS

SS Cure & Repel is recommended for use on new or existing unsealed pool decks, exposed aggregate concrete, broom finish concrete, parking lots, & other unsealed porous concrete & masonry surfaces.

TECHNICAL INFORMATION

Solids	N/A
Drying Time	30 minutes to 1 hour
Re-Coat Time	30 days
Foot Traffic	4–6 hours
Heavy Traffic	24–48 hours
Application Temperature	50°F–80°F
Wet Appearance	Clear to slightly hazy
Dry Appearance	Clear and Low Gloss
VOC Content	<100g/l
Blush Resistance	Great
Solvent Resistance	None
Concrete Adhesion	Excellent

Testing in accordance with procedures outlines in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

SPECIFICATIONS/COMPLIANCES

ASTM C-309, Type 1, Class A & B.

AASHTO Spec M-148, Type 1, Class A & B.

Meets OTC, CARB, LADCO and SCAQMD VOC restrictions.

APPROXIMATE COVERAGE RATES

APPLICATION SURFACE	FIRST COAT	OPTIONAL SECOND COAT
New or old (unsealed) concrete	150–300 ft ²	200–300 ft ²

Coverage rates vary depending upon surface porosity and texture, and application method. Follow directions for best results.

INSTRUCTION FOR USE

SURFACE PREPARATION: Cover or mask all areas not to be sealed. SS Cure & Repel may have an undesired etching affect on surfaces such as glass, steel etc. Concrete or masonry surface must be unsealed, as well as clean and free of all contaminants and water. Do not apply if rain is forecast within 24 hours. If the surface is not clean and free of all contaminants, the sealer may have adhesion and reaction issues. On fresh concrete the bleed water must be dissipated from the surface. Bleed water can inhibit the functions of SS Cure & Repel.

Always test surface porosity prior to application. The proper application surface should allow water to quickly soak into the substrate. Substrate temperature and ambient temperature must be no less than 50 °F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation. The material performs best when it's temperature at the time of application is between 60°F–70°F.

MIXING: Although not necessary, we recommend light stirring prior to using. Material may separate during long term storage.

APPLICATION: Using an 3/8" to a 1/2" long nap roller cover apply using long even uniform strokes at approximately 150–300 square feet per gallon, depending job requirements, porosity and texture of substrate. An airless or low pressure sprayer may be used as well. Upon initial application, SS Cure & Repel will create a slightly white surface that will absorb quickly into the concrete, typically within a minute or two. Thick or puddle areas should be spread to areas where absorption can continue. Failure to quickly remove puddle areas may result in the presence of dry residual sealer that is not beneficial and may yield an undesirable aesthetic look, especially on colored or dark concrete. For best results, apply a second application 3 days after first application, or prior to subjecting the surface to traffic. This will ensure maximum protection from water, salts and other contaminants.

RE-SEAL: When darkening of the surface begins to occur due to water absorption, reapply SS Cure & Repel as needed for continued protection.

Please note: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying do not exceed 400 square feet per gallon. Applying to thin of a coat may cause inadequate film formation or performance expectations may be limited. Do not use on brick.

CLEAN UP

Use soap and water. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Coating deeply penetrates surface. Removal is not recommended.

SHELF LIFE

SS Repel & Cure has a shelf life of one year in it's original, sealed, unopened container.

PACKAGING

SS Repel & Cure is packaged and stocked in 1 and 5 gallon pails. (Also available in 55 gallon drums)

PRECAUTIONS AND LIMITATIONS

- This product may freeze during storage or transportation. Freezing may damage sealer. Do not allow to freeze!
- All bleed water should be dissipated from the surface prior to application on fresh concrete.
- Optimum water repellency is achieved after 48 hours.
- It is not recommended to apply carpet, tile, and other types of floor adhesive on top of cured product.
- This product works best when applied in one coat @ 150–200 square feet per gallon.
- This product should not change the slip coefficient of the concrete surface.
- SS Cure & Seal is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin this product. Thinning causes sealer to not perform adequately.
- This product may slightly change the surface of a new and existing concrete slab. Test prior to use.
- This product is harmful if swallowed. Abide by recommended safety guidelines listed on the SDS.

- This product is corrosive. Proper protection must be worn during the application.
- The statements made within this Technical Data Sheet, SDS, product labels, etc are guidelines only. The end user should always perform tests and product evaluations prior to application to ensure suitability for particular uses.

SPECIAL NOTES

Please consult Safety Data Sheet (SDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 866-906-2006.

WARRANTY

SS Specialties warrants our products to be of good quality, free of defects and will conform to our published specification in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, SS Specialties will replace defective materials ninety days after SS Specialties has shipped the product, all our warranty and other duties with respect to the quality of materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product or merchantability or fitness. Liability, if any is limited to the purchase price of the material under no circumstances will SS Specialties be liable for a consequential damage to any in excess of the purchase price of their product.

