SURFKOAT
Surface Koatings, Inc.
Manufacturers of Industrial and Decorative Concrete Materials



# REPEL CURE™

## chemical reactive curing compound & water repellent

CONCRETE CURE & SEALS


Repel Cure™ is a dual functioning chemical reactive curing compound and water repellent with a low viscosity for better penetration on concrete substrates. Repel Cure ™'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.

LOW VOC PRODUCT

### Specifications / Compliances

- ASTM C-309, Type 1, Class A & B
- AASHTO M-148, Type 1, Class A & B
- Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

### Key Features & Typical Benefits

- Reduces water absorption 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.
- Excellent penetration and adhesion to clean, unsealed new concrete.
- Will not change to color of the concrete.
- VOC Compliant formula to meet EPA Aim regulations within the U.S. and Canada for concrete curing compounds.

### Recommended Applications

- Effective on Broom Finish Concrete applications such as...
- Concrete Pool Decks
- Concrete Parking Lots
- Driveways & Side Walks
- Patios & Porches
- Most other new concrete surfaces where water and salt damaged resistance is required.

### Typical Properties & Technical Information

| PROPERTY | VALUE |
|---|---|
| Solids/Active Content, Percentage by weight | N/A |
| Dry Time - Tack Free | 30 minutes - 1 hour |
| Dry Time - Foot Traffic | 4 hours - 6 hours |
| Dry Time - Heavy Traffic | 24 hours - 48 hours |
| Re-Coat Time Window | 30 days |
| Application Temperature | 50° F - 80° F |
| VOC (Volatile Organic Compound) Content | Less than 100 grams/Liter |
| Appearance - Wet | Clear (May show slight haze) |
| Appearance - Dry | Clear and Low Gloss |

Testing in accordance with procedures outlined 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.

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# Repel Cure

## Application Instructions

SURFACE PREP: Cover or mask all areas not to be sealed. Repel Cure 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 off the surface. Bleed water can inhibit the functions of Repel Cure.

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 lightly stirring prior to using. Material may separate during long term storage.
For use as a curing compound and water repellent on freshly placed concrete, ensure all bleed water has dissipated prior to application.

COVERAGE RATE: *First Coat* : 150 - 300 ft² per gallon* *Optional Second Coat* : 200 - 300 ft² per gallon*
*Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided. Over application on colored surfaces may result in an undesired white residue.

APPLICATION: Apply using an 3/8" to a 1/2" long nap roller cover 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, Repel Cure will create a slightly white surface that will absorb quickly into the concrete, typically within a minute or two. Thick or puddled 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, If the surface is not consistently repelling water, apply a second coat before 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, re-apply Repel Cure 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 sq. ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK.

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## Precautions and Limitations

- This product may freeze during storage or transportation. Freezing may damage sealer. Do not allow to freeze!
- All bleed water should gone from 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 adhesives 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.
- This product is not resistant to brake fluid, gasoline, and many similar products.
- It is not recommended to thin this product. Improper thinning may cause sealer to not perform adequately.
- This product may slightly change the surface of a new and existing concrete slabs. Test prior to use.
- This product is harmful if swallowed. Abide by recommended safety guidelines.
- This product is corrosive. Proper protection should be worn during application.

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CLEAN-UP: Use soap and warm water. Dispose of containers in accordance with local, state and federal regulations.

PRODUCT REMOVAL: Coating deeply penetrates surface. Removal is not recommended.

SHELF LIFE: Up to one year from manufacture date in its original, unopened container stored at room temperature.

PACKAGING: Available in 1 gallon, 5 gallon and 55 gallon containers.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.

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