

CURE SHIELD

DRYCRETE® CURE SHIELD provides concrete with a permanent subsurface colloidal liquid precipitate barrier, thereby increasing density and greatly reducing permeability, while providing a porosity coating element to further slow the rate of water evaporation. This added surface coating embeds into the surface matrix and protects the concrete against acid and salt attack and other damage related to freeze thaw cycles.

DRYCRETE® CURE SHIELD meets ACI 308R-01 curing performance criteria and offers an excellent alternative to blanket water curing and/or visqueen cover moisture curing.

APPLICATION

DRYCRETE® CURE SHIELD may be applied to the newly placed surface as soon as it is practical following its surface finishing phase.

Apply **CURE SHIELD** with a low-pressure, non-atomizing, spray apparatus such as a pump-tank sprayer or mechanical cure slurry pump, or alternatively by flooding on. When spraying, use a 50% overlap pattern. Begin the application at the lowest point in elevation. For example, walls and slopes should be applied side to side, from the bottom up.

COVERAGE: For Broom finish concrete the minimum recommended coverage is 120 to 150 sq.ft./gallon. For Hard or Steel troweled concrete the minimum recommended coverage rate is 250 to 300 sq. ft./ gallon.

It is imperative to keep a wet edge throughout the application process, and if one has to stop, to do so at a delineation mark, such as an expansion or control joint. NEVER apply CURE SHIELD over itself once dry. It will repel any second application once dry, and result in undesirable topical reaction, and whitening.

Should puddling occur, do not allow to dry. Use a whisk broom or a foam squeegee to gently brush away excess. If it is starting to dry too fast, it may require some additional water misting and scrubbing to dissipate.

LIMITATIONS: USE ONLY AS A CURING AGENT, ON NEWLY POURED CONCRETE. DO NOT RE-APPLY OVER FIRST APPLICATION ONCE DRY.



BENEFITS:

- Significantly improves hydration and concrete density.
- Provides a permanent integral moisture barrier and surface protection.
- Reduces permeability by >90%.
- Eliminates freeze-thaw damage.
- Excellent acid /salt and solvent resistance
- Greatly improves concrete's durability.
- Environmentally neutral and user friendly.

COMPOSITION: Proprietary biochemically catalyzed colloidal silica & silicate compounds in an aqueous base. Color: Semi-transparent white liquid. Odor: Slight.

LEED CREDIT CONSIDERATIONS: MR Credits 1.2 Building re-use. EQ Credits 4.2. Low emitting materials (VOC<25 g/L). LEED Credit Considerations – MR Credits 1.2 Building re-use. EQ Credits 4.2. Low emitting materials (VOC<25 g/L). Made in the USA.

RECOMMENDED USE:

CURE SHIELD is recommended as an ideal curing agent for newly placed concrete on externally exposed surfaces, such as parking garages, recreation facilities, stadiums, sea walls, marinas, concrete roadways & bridges, and tilt-up construction. Excellent on Agricultural facilities, such as dairy farms, fertilizer plants, to name a few – with proven and excellent reference job sites.

GHS HAZARD RATINGS



IRRITANT
SKIN IRRITATION

WARNING: IRRITANT: SKIN IRRITATION. CURE SHIELD is for use by qualified professional contractors who are factory trained applicators. Although it is non-corrosive to skin, avoid prolonged skin contact. Wash skin with soap and warm water if exposed to avoid irritation. Wear proper eye protection and gloves when handling (PPE). There are no fumes associated with CURE SHIELD when applied manually by HVLP or pump up sprayers. Before using refer to product SDS for further health and safety information. Keep containers closed when not in use and dispose of accordingly. Keep away from food and drink. Do not take internally.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR EMERGENCIES ONLY, CALL INFOTRAC @ 1- 800-535-5053. KEEP FROM FREEZING. IF FROZEN PLEASE DISCARD SOLUTION AND DISPOSE OF PROPERLY.

CAUTIONS – DO NOT APPLY TO FROZEN CONCRETE. CURE SHIELD achieves best results if ambient air temperature is above 40° Fahrenheit (4.4° C) and below 90° Fahrenheit (32.2° C). Ambient relative humidity is best between 40% to 65%. Protect areas not intended for coverage as CURE SHIELD may etch glass, dull shiny aluminum, and brass if left to dry on the surface. If contact occurs, do not allow to dry. Remove immediately using water and a cloth and/or brush. DO NOT ALLOW PRODUCT TO PUDDLE. White precipitate residue may form if CURE SHIELD is over applied. If this happens, spray the surface with water and lightly scrub excess into the concrete. Do not apply more than one coat. Do not apply to concrete or patching materials that contain calcium chloride accelerators, as this may cause blemishes, which are difficult to remove. Wait 14 days minimum before applying traffic and/or handicap delineation striping. CURE SHIELD is primarily designed for exposed concrete surfaces, with no other surface treatments. For concrete that is to be coated, use MOISTURE STOP as the curing agent.

VOC CONTENT: (% Volatiles) per EPA method: 0.0%

PACKAGING: 1 Gallon (3.78L), 5 Gallon (18.9L), 55 Gallon (207.9L) and 330 Gallon (1,247.4L).

STORAGE: 40° Fahrenheit (4.4° Celsius) - 90° Fahrenheit (32.2° Celsius). Keep from freezing.

SHELF LIFE: 2 years properly stored.

SHIPPING NAME: Concrete Curing, Sealing & Densifying Compound -Water base

SHIPPING DOT CLASS: Not regulated by DOT Item 33880, Sub 2, LTL 55. Concrete sealer – water based. Contains less than 25 g/L VOC Meets existing VOC (VOM) regulations for waterproofing sealers under the EPA's national AIM listings for all states including OTC, LADCO, CARB and SCAQMD.

WARRANTY: Concrete Earth, LLC (CE) expressly warrants that its products shall be free from defects in materials and workmanship at the time of application, and further warrants for the useful LIFE OF THE CONCRETE, from the date of purchase, against vapor emission related failures of any surface overlays, coatings, or flooring materials. Please refer to our FULL WARRANTY CERTIFICATE for conditions and limitations. Unless authorized in writing by an officer of CE, no other representations or statements made by CE or its representatives, in writing or orally, shall alter this warranty. CE does not authorize anyone on its behalf to make any other written or oral statements which in any way alter CE's installation information or instructions in its product literature or on its packaging labels.

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