

MOISTURE STOP

DRYCRETE® Moisture Stop (MS) is a biochemically catalyzed colloidal silica formulation, in an aqueous base. **MS** is user friendly, non-toxic, non-flammable, and environmentally friendly with zero VOC emissions. It enhances curing, by reducing evaporation rate and greatly reducing permeability, while increasing hydration. **MS** is exclusively manufactured and engineered to permanently control moisture levels in concrete.

MOISTURE MITIGATION USE: **MS** can be used as a curing compound, or on existing concrete, as a mitigating compound for excessive moisture problems. It can be applied at the time of pour, as soon as one can walk on the concrete without marring the surface, or on existing concrete of any age. **MS** penetrates deep into the concrete matrix and permanently seals the concrete from within.

APPLICATION

NEW CONCRETE REACTIVE CURE: **MS** is applied to newly placed concrete at the time of pour as soon as one can walk on the concrete without marring the surface. Apply **MS** at an average coverage rate of 220 to 250 sq. ft. per gallon on hard trowel finished concrete.

EXISTING CONCRETE: **MS** can be applied to any existing concrete surface, regardless of age, if the surface is profiled to a minimum of CSP 2, allowing for **MS** to penetrate the concrete substrate. **MS** reacts deep into the concrete to greatly diminish moisture vapor emissions to an insignificant factor, allowing topical applications of coatings and flooring materials without concern for moisture emissions.

Once you complete the application and after 30 minutes or so, use a soft bristle broom or foam squeegee to remove any excess accumulation or puddles of **MS**. If areas dissipate too quickly, within 5-15 minutes of application, re-apply as needed to ensure a "wet" time of at least 30 minutes.

SAW-CUTTING: It is best to wait until after the application of **MS** to saw cut control joints. This can be done normally within 1-2 hours of the completed application.

LIMITATIONS: If surface penetration on newly placed concrete is not noticeable within 15 minutes after applying **MS**, wait 4-12 hours and re-start the process. Excessive troweling may temporarily increase surface tension to minimize the ability of **MS** to penetrate the surface matrix.

Prior to applying any floor covering, adhesives or coatings, make sure to prepare the concrete surface as required by the corresponding manufacturer of floor covering materials, adhesives and/or coatings, over unsealed concrete surfaces. It is recommended to perform a bond test for adhesives to ensure product performance.



BENEFITS:

- Does not impede surface bond ability
- Compatible with all adhesives and coatings.
- Permanent moisture control – one time application.
- Meets ACI 308R-01 moisture curing standards
- Naturally stabilizes pH of concrete between 9 & 10.
- Highly effective in protecting the concrete surface against acid & chemical erosion.
- Eliminates dusting and increases surface bond quality.
- No harmful fumes or objectionable odors.
- Allows foot traffic & trades within 2 hours of application.

COMPOSITION: Proprietary biochemical catalyzed colloidal silica composite 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:

MS is recommended both as a curing compound and as a permanent moisture vapor blocker on new or existing concrete surfaces.

MS ensures the longevity of floor coverings or coatings without the fear of internally generated moisture vapor emissions, in as little as 14 Days on new concrete after the application of **MS**, or after 48 hours on existing concrete floors.

Underlayment, bonding agents, epoxy or other synthetic coatings, resilient flooring, tile, rubber, wood or cork flooring materials, and corresponding adhesives can be applied without fear of excessive moisture issues.

Other uses include decorative concrete materials, including stamped and textured concrete overlays, polished self-leveling overlays, and most any other cementitious materials.

GHS HAZARD RATING



WARNINGS: IRRITANT: MS 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 **MS** when applied manually by mechanical 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 AT 1- 800-535-5053. KEEP FROM FREEZING. IF FROZEN PLEASE DISCARD SOLUTION AND DISPOSE OF PROPERLY.

CAUTIONS – MS achieves best results if ambient air temperature is above 40 Degrees Fahrenheit (4.4C) and below 90 Degrees Fahrenheit (32.2C). Extreme weather conditions such as high wind or applications in full sun at high temperature will cause premature drying. In such extreme cases, on existing concrete, mist the surface with water and apply **MS** to the moistened surface. This allows increased reactivity and penetration. **MS** may etch glass or dull shiny aluminum. If contact occurs do not allow to dry. Remove immediately using water and cloth or brush. Do not apply to frozen concrete or when ambient air temperature is 35 Degrees Fahrenheit and dropping. Wait at least 21 days post concrete placement and **MS** curing application prior to applying adhesives. Floor coverings or coatings. (Refer to Warranty)

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 Degrees Fahrenheit (4.4 Celsius) - 90 Degrees Fahrenheit (32.2 Celsius). Keep from freezing.

SHELF LIFE: 2 years properly stored.

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) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. 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 MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If a CE product fails to conform with this warranty, CE will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** CE does not authorize anyone on its behalf to make any written or oral statements which in any way alter CE’s installation information or instructions in its product literature or on its packaging labels. **CE explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through CE. CE has no control over CE application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any CE products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of CE’s products for the Buyer’s intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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