



ERM

Membrane Forming Evaporation Retarder

CeraTech USA's ERM is a water-based emulsion that utilizes unique organic material to form an evaporation barrier when applied to CERATECH™ Cement concretes. The membrane formed by the **ERM** reduces the evaporation of water from the concrete immediately following finishing, creating a hard, durable surface, free of dusting. **ERM** is ideal for use on horizontal and vertical concrete and essential in dry, hot, windy environments, and in any circumstance where the placed concrete is susceptible to rapid moisture loss. **ERM** is VOC compliant, and based on readily renewable organic constituents.

Mixing

Do not dilute. Agitate material to ensure all constituents are in complete suspension.

Application

Apply **ERM** topically after finishing / texturing the CERATECH™ Cement concrete.

Apply **ERM** using a commercial grade low pressure sprayer with fan nozzle (such as #1-5940 0.5 gpm brass nozzle) designed for high solids curing compounds.

Apply **ERM** at a rate of 200 - 300ft² per Gallon. Ensure a consistent application of material to realize even coverage.

Curing / Dry Time

ERM is biodegradable and self dissipating. Foot traffic and exposure to sun and rain will remove the membrane residue and allow for application of paint in as little as 48-72 hours. However, if a film remains visible (as a light sheen) it may be removed by application of 70% solution of isopropyl alcohol.

Prior to application of membranes or epoxy coatings, ensure surface is fully cleaned (70% solution of isopropyl alcohol) and prepared according to the coating / membrane manufacturers instructions.

Required Equipment

Commercial grade low pressure sprayer with fan nozzle (such as #1-5940 0.5 gpm brass nozzle) designed for high solids curing compounds. Alternate application equipment may be suitable contact CeraTech Field Engineering to verify.

Cleaning

Always clean equipment immediately after use. Any solids residue may be removed with a 70% solution of isopropyl alcohol.



Limitations

Do not combine with other surface treatment aids.

Apply only on concrete in plastic stage, immediately after finishing / texturing.

Not for use when concrete will be subject to direct chemical exposure.

Not for use on portland cement concretes.

If the concrete reaches final set and additional surface integrity is desired, apply **CeraTech USA's SHX™** Reactive Surface Hardener.

Product Data

Solids – 15%

Color – Pale brown

Odor - Minimal

Yield / Coverage

200 - 300 ft² gal.

Storage

Store **ERM** between 45°F – 95°F (7°C - 35°C) out of direct sunlight. Protect from freezing. For maximum performance and shelf life keep the container sealed to prevent evaporation.

Shelf-Life

Properly sealed and stored **ERM** has a shelf life of 1 year from manufacturing date.

Technical Support

Further information, advice on this product, and the full range of CeraTech USA's products can be obtained by emailing: fieldengineering@ceratechinc.com

WARNING:

Caution! Contains small amounts of alkali. May cause nose, throat or respiratory tract irritation. May cause severe eye irritation and skin irritation. Wash contaminated clothing prior to re-use.

Note: Workers should use all recommended personal protective equipment. Refer to the **Material Safety Data Sheet** for additional information.

WARRANTY:

CeraTech USA ("CeraTech USA") warrants that its products are free from defects in materials and workmanship. If any CeraTech USA product fails to conform to this warranty, CeraTech USA will replace the product at no cost to the buyer or refund the purchase price, at CeraTech USA's election. Any warranty claim must be made within one (1) year from the date of the shipment of the product to the buyer. In no event shall CeraTech USA be liable to the buyer for any consequential or incidental damages of any nature. CERATECH MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF ITS PRODUCTS AND EXCLUDES THE SAME. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.