



# enDuratite™ MLASTIC COATING

## TECHNICAL DATA SHEET

**enDuratite Mlastic Cementitious Coating** is a one-component, cementitious waterproofing coating that has been designed to have some flexibility with movement from heat and cold. With the simple addition of water, enDuratite Mlastic Cementitious Coating powder transforms into a high-quality coating system. enDuratite Mlastic Cementitious Coating is designed to be applied over concrete and masonry surfaces. Once cured, the finished surface provides a watertight coating barrier with outstanding adhesion properties that is permeable to vapor and offers excellent freeze-thaw durability. The product is compatible with cement-based adhesives and coatings for subsequent layers.

enDuratite Mlastic Cementitious Coating was designed and created using cross-linking polymer technology with high contents of Ethylene Vinyl Acetate. The use of this technology allows the product to utilize UV rays to increase its performance over time. It is an elastomeric polymer that produces materials that are “rubber-like” in softness and flexibility.

### KEY BENEFITS

- Flexible
- Low VOC content
- Bonds to damp surfaces (no primer required)
- One part (just add potable water)
- Suitable for immersion and underground applications. Positive pressure to 230 ft (70 m), head pressure (.69 MPa). Negative pressure to 82 ft (25 m), head pressure (.245 MPa).
- Resistant to salts and carbonation
- Increases resistance of substrate to deicing salts.
- Superior abrasion resistance.
- Nonflammable; low odor.
- Easily applied to clean, sound substrates.
- May be over coated

### PHYSICAL PROPERTIES

- Gray in Color
- Cement modified with polymers
- Pot life: 45 minutes @ 73 °F / 23 °C
- Density: 0.86 oz/in<sup>3</sup> / 1.5 g/cm<sup>3</sup>
- pH: 13
- Re-coat time: 4 to 6 hours
- Application rate per pail: 53 ft<sup>2</sup> / 5 m<sup>2</sup>
- Cure time for immersion: 72 hours

### APPLICATION

#### SUBSTRATE PREPARATION

All substrates must be structurally sound, solid, clean and free of any substances that can prevent or reduce absorption.

Remove all grease, curing products, surface treatments, coatings, or oils and greases. Scratches, cracks and fissures must be repaired before application. It is recommended that enDuraTite Repair Grout be used for any repairs.

**NOTE: Any Alchemco system products should only be applied when the surface temperature is 50°F (10°C) and rising or 100°F (38°C) and falling. Temperature should be measured with a infrared hand held thermometer.**

### MIXING

Add 1 gallon (4 liters) of clear, clean water in a clean pail (plastic or metal). Gradually add enDuratite Mlastic Cementitious Coating, constantly stirring the mixer. Make sure to use a low speed mixer. Mix until a homogeneous and pasty mass has been created.

### INSTALLATION

Ideally apply enDuratite Mlastic Cementitious Coating with a trowel. Back rolling with a paint roller will provide a textured surface, if required.

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The product should be applied in a minimum of 2 coats. Each coat should dry a minimum of 6 hours before the application of the next coat. A total thickness of 1/8" (2 mm) is required.

Any areas where enDuratite Mlastic Cementitious Coating will make contact with metal or plastic a bead of Elastomeric Caulking should be utilized.

## PRECAUTIONS

It is recommended that PPE be used such as protective eye wear, gloves and boots. Do not apply on asphalt based materials or products.

## APPLICATION RATES & PACKAGING

Coverage rate: 54 ft<sup>2</sup> per 29 lbs pail

5 m<sup>2</sup> per 13 kg pail

Packaging: 29 lbs pail / 13 kg pail

## SHELF LIFE & STORAGE

Factory-sealed containers of this product have a shelf life of two (2) years if stored at temperatures greater than 32 °F (0 °C) and less than 100°F (38 °C). Please adhere to the same storage advisories when the product is stored on the project site.

## WARNINGS



### DANGER!

This product may be harmful if swallowed. Wash hands, face and any exposed skin thoroughly after handling. Wear appropriate eye, skin and breathing protection when using this product. Avoid contact with skin and eyes.

### KEEP OUT OF REACH OF CHILDREN!

**IF SWALLOWED: Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.**

See Safety Data Sheet for further details regarding safe use of this product. Safety Data Sheets for any Alchemco product may be obtained by contacting: **Alchemco, 3532 Mayland Court, Henrico, VA 23233. 800-610-2895 or emailing technical@alchemco.com or calling:**

**CHEMTREC 800-424-9300 (US)  
703-741-5970 (International).**



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