



# TECHNICAL DATA SHEET

## MVE<sup>2</sup> Concrete Slurry

**Product Name:**

MVE<sup>2</sup> Concrete Slurry

**Manufacturer:**

The Concure Group  
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**Description:**

MVE<sup>2</sup> Concrete Slurry is a topical, two-step, moisture mitigation application consisting of a liquid surface treatment and polymeric cementitious system. MVE<sup>2</sup> Concrete Slurry reduces vapor emission up to 25 pounds to below 3 pounds as per the ASTM F1869 Calcium Chloride Test. MVE<sup>2</sup> Concrete Slurry is environmentally safe. **Does not contain any epoxy resins.**

**Advantages:**

Compatible with all adhesives.  
Low Odor/Solvent Free/VOC compliant  
Water-based system for fast track installations  
Provides Portland cement bonding surface  
Dries overnight for next day floor covering installation  
Can be cleaned with water  
No epoxy odor  
Low VOC 4 g/l  
No timeframe for flooring installation  
Excellent cohesion

**Applications:**

MVE<sup>2</sup> Concrete Slurry is a two-step system, designed to stop floor coverings from debonding due to moisture and vapor. Each step works independently to reduce concrete slab vapor emission. The water-based system designed for fast track installations. MVE<sup>2</sup> Concrete Slurry system stops hydrostatic pressure, capillary action, and moisture migration creating a negative and positive side

barrier. MVE<sup>2</sup> Concrete Slurry system provides a Portland cement based bonding surface compatible with all adhesives and floor coverings.

**Technical:**

Component Step A: Milky, off-white liquid  
Step A Thickness: 6 Wet mils Average  
Step A Re-Coat: 1 to 3 Hours

Component Step B: Grey Powder and 5 quarts binder  
Step B Pot Life: 45 minutes  
70°F (21°C)  
Step B Set Time: 6 to 12 Hours  
Step B Maximum: Thickness Less than 15 Wet mils  
Step B Foot: Traffic 8 to 12 hours  
Kit Shelf Life: 1 Year  
Bond Strength: 155 psi  
(ASTM C952)  
Tensile Adhesion: 319 psi  
(ASTM C1583)  
Tensile Strength: 280 psi  
(ASTM C307)  
Flexural Strength: (ASTM C348) 441 psi  
(ASTM C580) 472 psi  
Permeability: (CRD-48-73) 2.63x10<sup>-10</sup>cm/sec  
Water Vapor

**MVER Reductions:**

11 pounds to less than 3 pounds in 24 hrs  
18 pounds to less than 3 pounds in 48 hrs  
25 pounds to less than 3 pounds in 72 hrs

**Limitations:**

MVE<sup>2</sup> Concrete Slurry is not a patch or leveling product. If MVE<sup>2</sup> Concrete Slurry cementitious slurry is applied too thick material may crack. A skim coat or a leveling product may be needed to make the concrete slab suitable for floor covering. Do not install if air or substrate

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temperature is below 40°F (4.4°C) or above 95°F (35°C).

Please call for moisture vapor emissions greater than 16 pounds. Store between 40°F and 95°F (4.4°C and 35°C). Do not allow to freeze.

### **Preparation:**

Concrete must be shot blasted using a 330 shot. Curing agents or any other foreign matter must be removed. Sand or small aggregates must be visible (RE: Surface profile ICRI CSP 3 – 5). Grinding with a diamond grinder can be used. Diamond blades should be #20 diamond. Thoroughly vacuum surface after preparation.

### **Cracks and Joints:**

All cracks, joints and saw cuts should be opened with a crack chaser and vacuum cleaned. Patch with MVE<sup>2</sup> 100% Solids Epoxy System.

### **Expansion Joints:**

See architect or general contractor for design and instruction.

### **Mixing & Application:**

MVE<sup>2</sup> Concrete Slurry is a 2-Step system.

#### **Step 1:**

Stir sealer before application. Using a low-pressure sprayer, apply one generous coat at 250 square feet per gallon. While spraying, broom seal to eliminate puddling and spread sealer evenly over floor. Do not let the material pond on the surface.

Dry time approximately one hour, depending upon temperature and job site conditions. Do not proceed with Step 2 until step 1 sealer is completely dry.

#### **Step 2:**

Units are pre-measured. The kits include 5 quarts of binder and 25 lbs. of cement. Mix 25

lbs. cement to 5 quarts of binder and mix for 3 minutes at 400 rpm. Prevent any action that might entrap air while mixing. Once mixed, pour material on floor and spread at a rate of 250 square feet per unit. Apply a thin coat of mixed cement using a brush, squeegee, trowel or roller. A unit will yield 250 square feet per kit. Do not apply at a coverage rate less than 250 square feet per unit or over 15 mils.

MVE<sup>2</sup> Concrete Slurry is not a patch or leveling product. This material is gray in color when dry. MVE<sup>2</sup> Concrete Slurry must be applied to the entire surface that is being treated including all cracks and saw cuts.

### **Floor Covering Installation:**

Adhesives and floor coverings may be installed when cementitious coating is hardened and dry. Drying time may vary depending on air temperature. The treated areas should be dry by the next day.

### **Warranty & Disclaimer:**

Extended Warranties are available. Written extended warranties are available on a per job basis. Please call for information.