



**Concure
Products Inc.**

Concure Vapor Barrier

Product Name:

Concure Vapor Barrier
Product ID: 150

Manufacturer:

Concure Products Inc
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Description:

Concure Vapor Barrier is a topical, two-step, moisture mitigation application consisting of a liquid surface treatment and polymeric cementitious system. Concure Vapor Barrier reduces vapor emission up to 25 pounds to below 3 pounds as per the ASTM F1869 Calcium Chloride Test. Concure Vapor Barrier 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:

Concure Vapor Barrier is a two-step system, designed to stop floor coverings from de-bonding due to moisture and vapor. Each step works independently to reduce concrete slab vapor emission. The water-based system designed for fast track installations. Concure Vapor Barrier system stops hydrostatic

pressure, capillary action, and moisture migration creating a negative and positive side barrier. Concure Vapor Barrier 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: Less than 15 Wet mils
Thickness
Step B Foot: 8 to 12 hours
Traffic
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: 441 psi
(ASTM C348) 472 psi
(ASTM C580)
Permeability: 2.63x10⁻¹⁰ cm/sec
(CRD-48-73)
Water Vapor
MVER Reductions:

11 pounds to under 3 pounds in 24 hours
18 pounds to under 3 pounds in 48 hours
25 pounds to under 3 pounds in 72 hours

Limitations:

Concure Vapor Barrier is not a patch or leveling product. If Concure Vapor Barrier cementitious slurry is applied too thick material may crack. A

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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 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 Concure Crack Fill Cement System.

Expansion Joints:

See architect or general contractor for design and instruction.

Mixing & Application:

Concure Vapor Barrier 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.

Concure Vapor Barrier is not a patch or leveling product. This material is gray in color when dry. Concure Vapor Barrier 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.

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