

**Concure Systems  
“Vapor Barrier”**

**PART 1 GENERAL**

1.01 SUBMITTALS

- A. Closeout Submittals: Submit the following:
  - 1. Warranty: Warranty documents specified herein.

1.02 DELIVERY, STORAGE & HANDLING

- A. Store materials protected from exposure to harmful weather conditions and at a temperature above 45° Fahrenheit.

1.03 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for Project warranty provisions.
- B. Manufacturer’s Warranty: Submit, for the owner’s acceptance, the manufacturer’s standard warranty document executed by an authorized company official. The manufacturer’s warranty is in addition to, and not a limitation of, other rights the Owner may have under provisions of the contract documents.
  - 1. Warranty Period: Ten years commencing on the date of acceptance of the project by the Owner of Notice of Completion which ever is earliest.
  - 2. Warranty Terms: Terms to include moisture related failures, including all finish floor materials and labor.

**PART 2 PRODUCTS**

SEE SECTIONS 9600 & 9900

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### **PART 2 PRODUCTS**

#### **2.01 CONCRETE WATERPROOFING VAPOR BARRIER**

A. Manufacturer: Concure Systems 1618 E. Briarwood Terrace, Phoenix, AZ 85048  
Telephone (480) 820-7171 Fax (480) 820-7787 e-mail epikula@cox.net

1. Vapor Barrier- “Concure Vapor Barrier”

B. Accessory Materials.

1. Concure Systems Crack Filling Binder.

#### **2.02 BEAD BLASTING**

A. Bead Blast to an ICRI (International Concrete Repair Institute) stage 4 using 330 shot is required. Surface, after shot blasting is completed, should be white in color with no signs of curing agents or other type of concrete finished surface. After bead blasting make sure the surface is clean with no signs of oil, dirt, curing agents, sealers or adhesive residues. All loose material and dirt must be removed from cracks in order to allow proper bonding (Follow Manufacturer’s Instructions).

B. All cracks saw cuts and control joints smaller than ¼” wide must be “v” grooved or routed to ¼” or wider and ½” plus in depth. Thoroughly clean the joints after preparation.

## 2.03 APPLICATION

Concrete must be clean dry and not contaminated with any material that promotes de-bonding. Substrate should be structurally sound with no potential for movement. Prime all joints using undiluted Crack Fill Binder using narrow brush to scrub material into joint. Allow the binder to partially dry until it feels tacky. **DO NOT LET IT DRY COMPLETELY**. Work slurry into crack leaving material slightly high. Allow material to slightly set and remove excess and trowel flush with surface while pushing material into joint to densify joint.

- A. Step 1-Using low pressure sprayer, apply one (1) generous coat. Step 1 covers 200-300 square feet per gallon. Do not allow material to pond on surface. Broom material evenly to cover all areas. Dry time usually one (1) hour depending on temperature and job conditions. When Step 1 is dry to the touch, Step 2 can be applied.
- B. Step 2: Application same as in Step 1
- C. Step 3: Using a broom or brush apply a thin coat. Step 3 to yield 175 square feet per unit and must be applied to entire surface being treated including all cracks, saw cuts, and control joints.

## 2.04 MIXING

Step 1: Stir before application

Step 2: Apply product as supplied per manufacturer's instructions.

Step 3: Mix powder, water, and polymer as required by instructions.

## 2.05 TESTING

Prior to the installation of Concure Systems Topical Vapor Barrier results from a Calcium Chloride test must be provided to Concure.

## 2.06 COMPOSITION

Step 1 is a formulated blend of water based acrylic resins and reactive ingredients.

Step 2 is an acrylic polymer designed to act as a surface sealer and primer.

Step 3 is a polymer enhanced cementitious coating that provides excellent waterproofing and bonding characteristics.

Crack Fill Binder is a specialized, premixed acrylic co-polymer designed to be compatible with Concure Vapor Barrier parts 1, 2 & 3.

## 2.07 FIELD SUPERVISION

Installation by Concure approved and certified floor covering contractor only. Certification can be done under supervision of Concure Systems representative or by corporate installation team.

## 2.08 PRODUCT SUBSTITUTIONS

- A. Substitutions by architect approval only following criteria:

Product must have MINIMUM 10 years no fail experience in the flooring/concrete industry.

MUST be integral in the slab

MUST warrant ANY manufacturers floor covering installed after in case of failure due to product failure (LABOR & MATERIALS)

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- C. Step 2- Follow same application technique as Step 1.
- D. Step 3- Using a broom or brush apply a thin coat of Step 2. Step 3 will yield 175 square feet per bag. Step 2 must be applied to entire surface being treated including all cracks, saw cuts, and control joints.

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Step 1: Stir before application

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Prior to shot blasting, a Calcium Chloride test is required. The results must be registered with Concure Corporation.

#### 2.06 COMPOSITION

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