



Laying the Foundation  
for Tomorrow

Flooring & Concrete Moisture Prevention Systems

# Concure Systems VAPOR BARRIER PLUS DATA SHEET

## PRODUCT DESCRIPTION:

Concure Systems Vapor Barrier PLUS is a topically applied system designed to stop floor covering failures due to moisture. The system is water based and designed for fast track installations. The primary use of Concure Systems Topical Vapor Barrier PLUS is for waterproofing below grade, slab on grade and elevated decks.

This system stops hydrostatic pressure, capillary action and moisture migration. This product is compatible with all adhesives for non-porous surfaces, thin sets, self-levelers and floor coverings and coatings.

Vapor Barrier PLUS is a silicate sealer that penetrates into the concrete slab. A reaction occurs between the lime and excess Portland cement, which is always present, and forms Calcium Silicate Hydrate (CSH). This process will encapsulate the moisture to create a permanent break in the capillaries of the concrete, stopping all moisture related problems.

This system is designed to stop moisture problems at all levels intolerant to the installation of flooring as recommended by flooring manufacturers.

## ADVANTAGES:

Using Concure Systems Vapor Barrier PLUS assures architects and flooring manufacturers that flooring materials will not de-bond due to moisture migration or capillary action through and out of the slab.

## OTHER IMPORTANT BENEFITS:

- Prevents capillary action
- Stops water, salt & alkali intrusion
- Resistant to chemical & acid attack
- Helps reduce radon gas
- Can be used in stained concrete
- Stops ASR (Alkali Silica Reactivity)

## TESTING:

Concure Systems recommends ASTM D-4263 performed by flooring contractor.(Contact Concure Systems for further details)

## USES:

Concure Systems Vapor Barrier PLUS is a topically applied system designed to prevent floor coverings from de-bonding due to excessive moisture.

## TECHNICAL DATA:

ENVIRONMENTAL CONSIDERATIONS: Concure Systems Vapor Barrier +PLUS+ is environmentally safe and has zero (0) volatile organic compounds and no special handling is required.

PHYSICAL/CHEMICAL PROPERTIES:  
Test reports are available to design professionals upon request.

*Vapor Barrier PLUS is a topical system that is especially useful in new construction when excessive moisture is detected before the original flooring is installed.*

# AVAILABLE IN SILICATE FREE

## COMPOSITION:

Vapor Barrier PLUS is a formulated blend of silicates and reactive ingredients.

## SURFACE PREPARATION:

A shot blast to an ICRI (International Concrete Repair Institute) profile 4 or 5, using 440 shot is recommended. After shot blasting is completed, a planetary grinder 32" lavena or equal (diamond blades) used until the slab is white in color or no signs of curing agents. After shot blasting, make sure the surface is clean, with no signs of dirt, oil, curing agents, sealers or adhesive residues. All loose material and dirt must be removed from cracks in order to allow proper bonding.

## APPLICATION PREPARATORY WORK:

Handle and store product according to Concure Systems recommendations. Concure Systems Vapor Barrier +PLUS+ should be used in all interior slabs unless noted otherwise.

Using a low-pressure sprayer, apply one generous coat. Coverage is 200-300 square feet per gallon. Do not let the material pond on the surface. Broom material evenly to cover all areas. Dry time is usually about one hour, depending upon the temperature and jobsite conditions.

## RE-PROFILING CONCRETE SURFACE:

Re -profiling of Concrete should be done by the flooring contractor utilizing a Portland based product approved by all flooring manufacturers that is compatible to receive approve flooring adhesives

## APPLICATION- FLOORING:

Cracks, expansion joints and saw cuts should be filled with cementitious patch using Concure Systems Crack Fill Binder. (SEE 670 CRACK FILL BINDER DATA SHEET)

## FIELD SERVICE:

Installation by a floor-covering contractor can be done under the supervision of a Concure Systems representative or by a corporate installation team.

## STORAGE TEMPERATURE:

Store above 45 degrees, do not allow freezing. Separation may occur when stored at less than 45 degrees and thorough agitation will be required.

## WARRANTY:

Concure Systems Vapor Barrier PLUS is formulated for the flooring industry and meet or exceed all guidelines pertaining to moisture emission as established by the flooring industry. This Vapor Barrier Plus carries a LIFETIME warranty against moisture related failure, including all finish floor materials and labor. Contact manufacturer for more information on warranty condition, duration and remedies.

## TECHNICAL SERVICES:

Trained service personnel offer design assistance and technical support. For technical assistance call (480) 820-7171. For local representative please visit our website.