



Laying the Foundation
for Tomorrow

Flooring & Concrete Moisture Prevention Systems

CONCURE SYSTEMS ADMIXTURE DATA SHEET

NO LIMITS: up to 100% Rh or 28 lbs. CC (if tested) !

PRODUCT DESCRIPTION:

BASIC USE:

The primary use of Concure Systems Admixture is for waterproofing on-grade, below-grade and elevated deck concrete slabs. This type of admixture takes the guesswork out of where to use vapor retarder.

ADVANTAGES:

Using Concure Systems Admixture assures architects and flooring manufacturers that flooring materials will not fail due to moisture migration or capillary action through or out of the slab.

OTHER IMPORTANT BENEFITS INCLUDE:

- Improves freeze/thaw resistance
- Keeps concrete from dusting
- Inhibits rusting from steel reinforcing bar
- Offers faster finishing time
- Reduces shrinkage cracks
- Maintains good flexibility at low slump
- Prevents capillary action
- Stops water, salt and alkali intrusion
- Resistant to chemical and acid-attack
- Helps reduce radon gas
- Can be used in stained and colored concrete
- Stops ASR (Alkali-Silica-Reactivity)

COMPOSITION & MATERIAL:

Function- Concure Systems Admixture reacts with water and alkali to allow the concrete to fill the capillary system with Calcium Silicate Hydrate (CSH). The route for moisture migration to occur is completely eliminated.

Plasticizing Action – Once Concure Systems Admixture is added to the mix design it reacts with the water to allow the concrete to be flexible, even at low slump.

TECHNICAL DATA:

ENVIRONMENTAL CONSIDERATIONS: Concure Systems Admixture is environmentally safe and contains no volatile organic compounds (VOC'S).

Available in SILICATE FREE

Rev 21.8.7.19

INSTALLATION:

PREPARATORY WORK:

Handle and store product according to Concure Systems Recommendations. Concure Systems Concrete Admixture should be used in all interior floor slabs unless noted otherwise. Maximum slump with water should not exceed 4" (101.60 mm). Follow manufacturer's instructions for dispensing. Concure Systems Admixture is added directly to the concrete mix design.

APPLICATION – FLOORING:

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

DISPENSING:

Concure Systems Admixture is added at the batch plant or at the job site at a rate of 14oz (397g) per 100 pounds of cementitious. Additional dosage may be required for an increase in high early strength benefits.

TRUCK OR PLANT MIXING:

The accuracy of measurement of any admixture should be within plus or minus 3%. Two or more admixtures may be used in the same concrete batch, provided such admixtures are added separately and that the combination has no deleterious effect on the concrete. Let drum rotate for 7 minutes, RAPID MIXING, before dispensing.

ON-SITE MIXING:

Add the Concure Systems Admixture to the concrete truck and let drum rotate for 7 minutes, RAPID MIXING before dispensing.

CURING:

Concure Systems 2100 Cure & Seal is recommended to be used on the entire slab as it does NOT REQUIRE mechanical removal and will enhance adhesion properties.

AVOID USING PARAFIN OR PETROLIUM BASED CURING AGENTS AS THEY NEED TO BE MECHANICALLY REMOVED, SUBSTRATE SKIM COATED PRIOR TO INSTALATIONS.

NOTE: CONCURE ADMIXTURE & 2100 CURE and SEAL ARE COMPATIBLE WITH ALL FINISHED FLOOR COVERINGS & COATINGS.

Concure Systems recommends following established ACI /Resilient Flooring Institute guidelines for curing. Complete installation recommendations are available from the flooring manufacturer

PRECAUTIONS:

A representative of Concure Systems WILL be present at the Batch/Jobsite during dosing/mixing and placement for the initial major concrete placement. Contractor must not proceed without the approval from Concure Systems for all future phased placements. Use non-chlorinated additives such as accelerators, plasticizers and water reducers with Concure Systems Admixture. Retarders may be used when ambient temperatures exceed 75° F (24° C). Concure Systems Admixture is used in lieu of a portion of the mix water, not in addition to the mix water. Silicate & Silicate FREE Admixture is designed around industry standards with a W/C ratio of .45 or less and is critical for interior slabs to receive finished flooring or coatings. Use of plasticizers and/or water reducers is recommended to achieve slumps > 4 inches.

STORAGE TEMPERATURES

Store above 45 degrees, do not allow freezing. Separation may occur under 45 degrees and thorough agitation will be required.

BUILDING CODES:

Installation and use of this product must comply with the requirements of applicable code jurisdiction.

WARRANTY:

This admixture is formulated for the flooring industry and meets or exceeds all guidelines pertaining to moisture emission as established by the flooring manufacturers. This admixture 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.

MAINTENANCE

No maintenance required.

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, WWW.ConcureSystems.com