



Flooring & Concrete Moisture Prevention Systems

## Concure Systems Admixture S/F (SILICATE FREE) DATA SHEET

### PRODUCT NAME:

Concure Systems Admixture S/F SILICATE FREE

### MANUFACTURER:

Concure Systems LLC.

### DESCRIPTION:

Concure Systems Admixture S/F is a **NON-SILICATE**, ready to use, liquid concrete waterproofing admixture containing a blend of organic and inorganic chemicals for replacing externally applied treatments to protect concrete structures against moisture transmission. Concure Systems Admixture PLUS S/F is added to the concrete mix at the batch plant or can be added on site. Concure Systems Admixture PLUS S/F generates non-soluble mineral formations and insoluble membranes in pores, capillaries and micro-cracks becoming an integral component within the concrete.

### ADVANTAGES:

- Improves freeze/thaw resistance
- Keeps concrete from dusting
- Inhibits rusting of steel reinforcing bar
- Offers faster finishing time
- Reduces shrinkage cracks
- Chloride, nitrate and sodium free
- 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
- Reduces Alkali-Silica-Reactivity (ASR)

### APPLICATIONS:

Concure Systems Admixture S/F **SILICATE FREE** is a concrete admixture is designed to eliminate moisture problems, reduce curling, retain water within the concrete for curing, reduce moisture vapor emission rate and permanently block water penetration from any direction.

### TECHNICAL:

Concure Systems Admixture PLUS S/F is environmentally safe, non-silicate and less than 5 grams/Liter VOC.

Appearance:	Milky Off-White None
Flammability:	1 Year
Shelf Life:	8 lbs. 15 oz. / gallon
Weight:	
Storage Temperature:	Above 45°F (8°C)
Solvent:	Water
Hazardous Vapor:	None
Installation:	All Grade Levels

### LIMITATIONS:

A Concure representative will be present at the jobsite during mixing and placement of the treated concrete. Use non-chloride additives such as accelerators, plasticizers and water reducers with Concure Systems Admixture PLUS S/F. Retarders may be used when ambient temperatures exceed 75°F (24°C). Use Concure Systems Admixture PLUS S/F in place of a portion of the mix water. A water-to-cement ratio (w/c) of .45 or less is critical to performance. Plasticizer and/or water reducing admixtures are recommended for slumps above 4" (100 mm). Store above 45°F (8°C) or separation may occur requiring thorough agitation. Do not allow to freeze.

**\*\* Concure Systems Admixture S/F SILICATE FREE MUST be used within 3 months after opening. \*\***



*Laying the Foundation  
for Tomorrow*

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NO LIMITS: up to 100% Rh or 50 lbs. CC (if tested) !

### PACKAGING:

5 Gallon Pails  
55 Gallon Drums  
275 Gallon Totes

### PREPARATION:

Store and handle Concure Systems Admixture PLUS S/F according to Concure recommendations. Concure Systems Admixture PLUS S/F should be used in mix designs not exceeding .45 w/c and not exceeding 4" (100 mm) without use of a water reducing or plasticizing admixture. Follow the manufacturer's instructions for dispensing. Concure Systems Admixture PLUS S/F is added directly to the concrete mix design.

### CRACKS AND JOINTS:

Cracks, expansion joints and saw cuts should be opened with a crack chaser; vacuum cleaned, and then filled with Concure 670 Crack Fill Binder Cementitious System.

### MIXING AND APPLICATION:

Concure Systems Admixture PLUS S/F is added at the batch plant or at the job site at a rate of 14 ounces (397g) per 100 WT of cementitious. Additional dosage may be required for earlier permeability reduction.

### TRUCK OR PLANT MIXING:

The dosage accuracy of any admixture should be within plus or minus 3%. Two or more admixtures may be used in the same concrete batch, provided admixtures are added separately and that the combination has no deleterious effect on the concrete. After Concure Systems Admixture PLUS S/F addition, rotate drum for 7 minutes, RAPID MIXING, before dispensing concrete.

### ON-SITE MIXING:

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

### WARRANTY & DISCLAIMER:

Concure Systems Admixture PLUS S/F is formulated for the flooring industry and meets or exceeds all guidelines pertaining to moisture emission as established by the flooring industry. Concure Systems Admixture PLUS S/F carries a LIFETIME warranty against moisture related failure, including all finish floor materials and labor. Contact manufacturer for additional information on warranty conditions and remedies.

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Contact your local Concure Representative for  
additional information