



DESCRIPTION

Nexus CS200 is a topical, two-step, moisture mitigation application consisting of a liquid surface treatment and polymeric cementitious system. Nexus CS200 reduces vapor emission up to 25 pounds to below 3 pounds as per the ASTM F1869 Calcium Chloride Test. Nexus CS200 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

Nexus CS200 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. Nexus CS200 system stops hydrostatic pressure, capillary action, and moisture migration creating a negative and positive side barrier. Nexus CS200 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
700F (210C)

Step B Set Time: 6 to 12 Hours

Step B Maximum:

Thickness Less than 15 Wet mils

Step B Foot:

Traffic 8 to 12 hours

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:
(ASTM C348) 441 psi
(ASTM C580) 472 psi

Permeability:
(CRD-48-73) 2.63x10⁻¹⁰cm/sec

Water Vapor

MVER Reductions:

11 pounds to less than 3 pounds in 24 hrs

18 pounds to less than 3 pounds in 48 hrs

25 pounds to less than 3 pounds in 72 hrs



ASTM	METHOD	RESULTS
F1869	Calcium Chloride @ 3 days @ 250 sq.ft.	<3.0 pounds/1000 ft ² /24 hrs.
CRD-48-73	Permeability	2.63 X 10 ⁻¹⁰ cm/sec @250 sq.ft./kit
C1583	Tensile Adhesion to Concrete	319 psi @250 sq.ft.
C307	Tensile Strength	280 psi
C580	Flexural	472 psi

LIMITATIONS

Nexus CS200 is not a patch or leveling product. If Nexus CS200 is applied too thick, material may crack. A 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 400F (4.40C) or above 950F (350C).

Please call for moisture vapor emissions greater than 16 pounds. Store between 400F and 950F (4.40C and 350C). Do not allow to freeze.

PREPERATION

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 Nexus 100.

EXPANSION JOINTS

See architect or general contractor for design and instruction.

MIXING AND APPLICATION

Nexus CS200 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.

Nexus CS200 is not a patch or leveling product. This material is gray in color when dry. Nexus CS200 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.



THE CONCURE GROUP
PERMANENT CONCRETE SOLUTIONS

Nexus CS200

2-STEP MOISTURE MITIGATION SYSTEM

Technical Data Sheet

TECHNICAL SERVICES

Technical information and assistance may be obtained from your local dealer, or by calling the technical department of The Concure Group at 610-864-8502 or Email: info@concuregroup.com.

LIMITED WARRANTIES

Extended Warranties are available. Written extended warranties are available on a per job basis. Please call for information.

DISCLAIMER:

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to substitution due to supply change shortages without prior notice. Please contact The Concure Group to confirm most up to date product information.