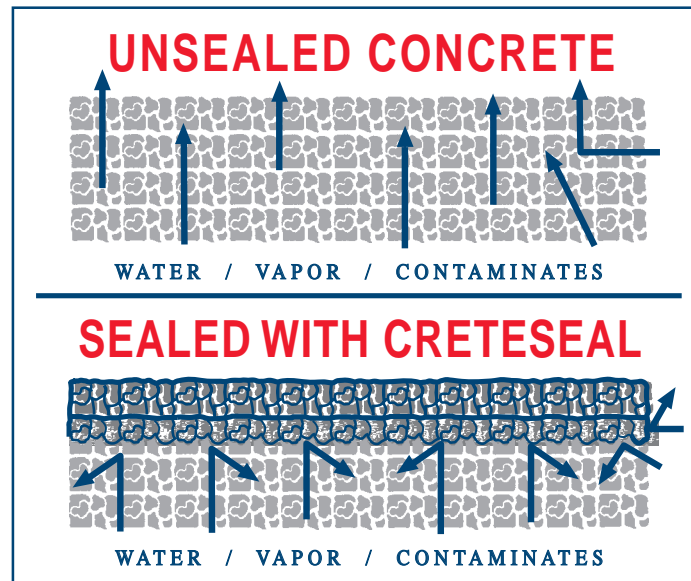




CS2000[®]

**"FULL SYSTEM" FIFTEEN YEAR WARRANTY ON
FLOORING MATERIALS & LABOR**



Uses:

CS2000 Spray Applied System Sealer/Hardener/Vapor Barrier/Curing Compound to be used on new pour and placed concrete construction, **applied the day of the pour** in place of existing curing compounds.

Warranty:

CS2000 comes with a Full System 15 year warranty on the replacement of all flooring material and labor that fails due to moisture migration, excessive vapor emissions or contaminates.

CS2000 SPRAY APPLY SYSTEM®

**SPECIALLY FORMULATED TO BE USED ON FRESHLY
POURED CONCRETE TO WATERPROOF, SEAL AND CURE
THE CONCRETE WHERE COATINGS OR FLOOR COVERINGS
ARE TO BE INSTALLED.**

EXCLUSIVE FULL SYSTEM 15-YEAR WARRANTY

Uses:

1. Used on new pours in lieu of a curing compound where moisture vapor emissions and/or contaminants are a concern.
2. Used where resilient flooring, carpeting or coatings are specified.

Benefits:

1. Full system 15-year warranty covering material and labor against failure due to moisture from the substrate.
2. Acts as a curing compound.
3. Increases P.S.I. of standard mix up to 20% at the surface.
4. Controls moisture vapor and alkalinity within the concrete substrate. Reduces mold.
5. V.O.C. compliant.
6. Will accept any type of flooring:
 - a. Epoxies
 - b. Polyurethanes
 - c. Rubber
 - d. Cementitious Overlay Materials
 - e. Paints
 - f. Coatings
 - g. Adhesives
 - h. Membranes
 - i. Patching Material
 - j. Wood Floors
 - k. Resilient Floors (tile, sheet vinyl, etc.)
 - l. Carpet
7. Permanent Solution – The removal or remodeling of flooring will not remove or damage the Penetrating Sealer System.

Warranty:

"Full System" Fifteen (15) Year Warranty against moisture related failures. Covers flooring material and labor.



Specification Sheet: CS2000 SPRAY APPLY SYSTEM **Division 3 (Cast In Place Concrete)**

1.0 INTRODUCTION AND PURPOSE

- 1.1 Sealer / Hardener / Curing Compound: Concrete surface treatment applied the day of the concrete pour in lieu of other curing methods for concrete slabs either on grade, below grade or above grade receiving resilient flooring such as sheet vinyl, vinyl composition tile, rubber, wood flooring, carpet, epoxy coatings and overlays.
- 1.2 ASTM C1315 Type 1 Class A, ASTM C309 Type 1 Class A, penetrating product to have no less than 34% solids content, leaving no sheen, volatile organic compound (VOC) content rating as required to suit regulatory requirements. Product to have at least a 5 year documented history in controlling moisture vapor emission from damaging floor covering, compatible with all floor finish materials.
- 1.3 The product CS2000 Manufactured by: **CRETESEAL**
P.O. Box 18598, Anaheim, CA 92817
Phone: (800) 278-4273 Fax: (714) 993-1840
www.creteseal.com
- 1.4 Epoxy or resin type vapor systems are not equal, as they are not compatible with flooring adhesives.

2.0 WARRANTY

- 2.1 When a floor covering is installed on a below grade, on grade, or above grade concrete slab treated with CS2000 according to manufacturer's instructions, Creteseal shall warrant the floor covering system against failure due to moisture vapor migration or moisture-born contaminates for a period of fifteen (15) years from the date of original installation. The warranty shall cover all labor and materials needed to replace all floor covering that fails due to moisture vapor emission & moisture born contaminates.

3.0 EXECUTION

- 3.1 Concrete Surface Treatment CS2000 / Sealer / Hardener / Curing Compound applied the day of the concrete pour or as soon as harsh weather permits, prior to any other chemical treatments for concrete slabs either on grade, below grade or above grade receiving resilient flooring such as sheet vinyl, vinyl composition tile, rubber, wood flooring, carpet, epoxy coatings and overlays.
- 3.1.1 Manufacturer technician will be on site the day of the concrete pour to install or train in application, document and return on every application thereafter to verify that proper procedures are followed.
- 3.1.2 Apply CS2000 to the concrete slabs as soon as final finishing operations are complete and the concrete has hardened sufficiently to sustain foot traffic without damage. Harsh weather such as rain, snow, cold, wind, or jobsite conditions such as concrete not exposed to direct sunlight will effect the rate of concrete hydration and delay Creteseal application until a more suitable application time permits as directed by Creteseal.
- 3.1.3 Spray Apply CS2000 at the rate of 200 square feet per gallon. Broom product evenly over the substrate until product has completely penetrated the surface.
- 3.1.4 If within 2 hours after initial application areas are subjected to heavy rainfall and puddling occurs, reapply CS2000 product to these areas as soon as weather condition permits.



PRODUCT DESCRIPTION ~ CS2000 SPRAY APPLIED SYSTEM

CS2000 is a penetrating concrete sealer designed to create a moisture vapor and alkalinity barrier inside the top portion of the concrete, protecting your floor covering and adhesives from the damage caused by excessive moisture vapor emission and alkalinity contaminates. Concrete treated with CS2000 is fully compatible with all floor covering and adhesives as CS2000 is a full penetrate sealer, allowing your proposed new flooring to attach directly to the concrete substrate.

PRODUCT MANUFACTURER

CS2000 is manufactured by:

CRETESEAL
P.O. Box 18598
Anaheim, CA 92817
Phone (800) 278-4273
FAX (714) 993-1840
Website: WWW.CRETESEAL.COM

PRODUCT USE

CS2000 Spray Applied System is a penetrating concrete surface treatment applied to freshly placed concrete, engineered for use as a Sealer / Hardener / Vapor Barrier / Curing of concrete. CS2000 is applied the day of the concrete pour in lieu of other curing methods for concrete slabs either on grade, below grade or above grade receiving resilient flooring such as sheet vinyl, vinyl composition tile, rubber, wood flooring, carpet, sports flooring, epoxy coatings and overlays.

PRODUCT ADVANTAGES

Pro Active Solution ~ Applied the day of the concrete pour the CS2000 Spray Apply System is a pro-active approach to addressing excessive moisture vapor emission and alkalinity from damaging finish flooring products. You can be assured that the concrete slab surface treated with CS2000 will be compatible, bondable, and able to support the specified floor covering without disrupting construction schedules with a more intrusive system later.

Simple Application ~ CS2000 Spray Apply System is applied to freshly placed concrete the day of the concrete pour, weather permitting, just after final finishing and soff cutting in lieu of other curing methods. There is no special tools or expertise installers necessary. Onsite Creteseal technicians will always train and certify the simple spray on application of the product by your onsite labor that normally applies the curing method.

Cost effective ~ CS2000 Spray Apply System is the most cost effective moisture vapor emission control system in the industry and can be installed for a fraction of the cost when compared to topically applied systems.

Permanent Solution ~ CS2000 is a penetrating sealer, penetrating into the concrete substrate up to 1/2 inch creating a permanent moisture vapor barrier. Being a penetrating sealer it eliminates the possibility of peeling off at a later date that a topical system is subject to. If the flooring is removed and replaced at a later date you can successfully remove the existing flooring without challenging the integrity of the Creteseal CS2000 which is an internal permanent part of the concrete substrate.

Safe ~ CS2000 is a water based product, environmentally friendly without harmful fumes or odor. CS2000 will not hurt plants, animals or people and is easy to clean up and dispose of. Contains no volatile organic compounds.

PRODUCT STANDARDS

CS2000 meets or exceeds
ASTM C1315, ASTM C309,

Maintaining 34% penetrating solids content.
Leaving no sheen on the concrete that would need to be removed or inhibit the concrete surface from the successful installation of floor covering. CS2000 has a 0 volatile organic compound (VOC) content rating suitable for all regulatory requirements.

PRODUCT APPLICATION

CS2000 Spray Applied Concrete Surface Treatment may be applied the day of the concrete pour or as soon as harsh weather permits, prior to any other chemical treatments for concrete slabs either on grade, below grade or above grade receiving resilient flooring such as sheet vinyl, vinyl composition tile, rubber, wood flooring, carpet, sports flooring, epoxy coatings and overlays.

1. **Manufacturer technician must be on site the day of the product application, usually the day of the concrete pour to install or train in application assuring correct product application, document & return on every application thereafter to verify that proper procedures are followed. The onsite Creteseal Technician providing onsite technical services, insures correct product application and product performance.**
2. **Do not highly burnish the concrete slab finish. Concrete that is to receive a floor covering should not be highly burnished as flooring products require a suitable mechanical bond with the concrete finish. CS2000 is a penetrating sealer and is inhibited from the best penetration by a highly burnished concrete finish. Take precaution not to highly burnish the concrete finish.**
3. **Apply CS2000 to the concrete slabs as soon as final finishing operations are complete and the concrete has hardened sufficiently to sustain foot traffic without damage. Harsh weather such as rain, snow, cold, excessive heat, wind, or jobsite conditions such as concrete not exposed to direct sun light will effect the rate of concrete hydration and delay or change the Creteseal application until a more suitable method and application time permits as directed by the onsite Creteseal technician. Excessive heat, dry and windy weather will require an immediate follow up of water spray to aid in the penetration of the product and reduce the evaporation of the water base.**
4. **Spray Apply CS2000 at the rate of 200 square feet per gallon. Broom product evenly over the substrate until product has completely penetrated the surface.**
5. **If within 2 hours after initial application areas are subjected to heavy rainfall and puddling occurs, reapply CS2000 product to these areas as soon as weather condition permits. Extra product needed for reapplication will be provided at no cost by Creteseal.**
6. **In tilt up construction fully pressure wash / mechanically scrub the concrete of all latent CS2000 material and other construction debris thoroughly to the manufacturer requirements of the the bond breaker material, prior to the bond breaker material application procedures.**

PRODUCT PRECAUTIONS

- Avoid freezing of stored product. If freezing is suspected contact Creteseal immediately for replacement of product. Product containers should be kept tightly sealed and stored in an shaded area between 40 — 100 degrees Fahrenheit.
- Product is ready for use. Do not dilute or mix with any other substance. Do not use in application spray containers contaminated prior with other products.
- If product is over sprayed on a painted, glass or metal surface clean off immediately with a clean cloth and water.
- While no special protection is needed, direct contact with eyes must be avoided. If splashed in eyes, flush thoroughly with water for 15 minutes.
- Prolonged excessive contact with skin should be avoided. Wash skin and cloths with water after using product.

- Do not take internally.

JOBSITE / FLOORING MATERIAL PRECAUTIONS

Creteseal wants to advise you that there are many conditions that are problematic to the successful installation and maintenance of your projects proposed flooring system. Please be aware, that Creteseal cannot be responsible for flooring systems that fail due to non-moisture and non-alkalinity conditions. Please notify all involved parties to follow these recommendations for a successful flooring installation:

- Follow all flooring material manufacturers recommendations regarding the successful installation procedures of the new proposed flooring.
- Acclimate the room per flooring manufacturer s recommendations regarding temperature, humidity and dew point prior to installing flooring materials.
- Fully clean out all cracks, control joints, construction joints, and expansion joints by mechanically v-groove and fully fill with a suitable patching compound or joint filler material. Patching compounds and joint fillers should include epoxy for use in high water table areas provided it is compatible for use with the new flooring. Gypsum material is not allowed.
- CS2000 is a full, penetrating sealer, creating a crystalline barrier inside the top portion of the concrete substrate. Any concrete grinding, cutting, or trench work cutting away more than 1/16 from the surface will remove a significant amount of concrete treated with CS2000. Please notify Creteseal for a proper remediation of the concrete that has been affected.
- Prior to the installation of new flooring, fully clean the concrete of all construction debris, contaminants, cleaning solutions, paints, solvents, and other materials used during construction. A light sanding of the concrete surface is recommended.
- Concrete that is to receive a floor covering should not be highly burnished as flooring products require a suitable mechanical bond with the concrete finish.
- Use only flooring adhesive made by and / or recommended by the same finish-flooring manufacturer.
- Please consider the intended use of the flooring system and environment, including weight and traffic profile of the facility when selecting your appropriate flooring and adhesive.

FULL SYSTEM 15 YEAR WARRANTY

When a floor covering is installed on a below grade, on grade, or above grade concrete slab treated with CS2000 according to Manufacturer s instruction, Creteseal shall warrant the floor covering system against failure due to excessive negative-side moisture migration originating from the concrete substrate or moisture-born alkalinity contaminants for a period of fifteen (15) years from the date of original installation. The warranty shall cover all labor and materials needed to replace or repair all floor covering that fails due to excessive moisture vapor emission & moisture born alkalinity contaminants. (copy of full system warranty is available upon request).