



201701121

# SurfaceFinish CD80

## Fast reacting Colloidal Silica densifier and hardener for concrete surfaces

### Product Description

SurfaceFinish CD80 is an almost 100% pure colloidal silica solution that deeply penetrates concrete and quickly reacts with the cement to greatly increase the concrete's density, hardness and long term durability.

### Features

- Fast reacting-one hour or less
- Nano particle size for deeper penetration
- No discoloring salt deposits
- Lower application costs
- Greater reaction than standard densifiers
- Produces a dust free surface
- Increases water resistance
- Reduces possibility of efflorescence and ASR
- Works with low lime decorative overlay products
- Improved abrasion resistance and life expectancy
- Works on Green Concrete 2 -3 days' old
- Compatible with dyes and stains
- Long term performance

### Main Uses

- Surface hardening of new and old concrete
- Dust proofing of concrete
- Ideal for floors requiring polishing
- Cement based overlays
- Case hardener for pre-cast products

### Coverage

300-700 ft<sup>2</sup> per gallon (7.3 -17 m<sup>2</sup> per liter) depending on porosity of concrete. High porosity concrete will be on the lower end and polished low porosity concrete will be on the higher end.

### Packaging

Concentrate that makes 4 gallons & concentrate that makes 20 gallons.

### Shelf Life

24 months when stored in cool dry conditions in original unopened drums.

### Installation Guidelines

#### Surface Preparation

Surfaces must be sound and free from loose materials, laitance or coatings. Cracks or holes can be repaired and allowed to cure fully prior to treatment.

Oil and grease contaminated surfaces should be degreased using SurfaceClean followed by washing with clean water. Do not use acidic cleaners.

**The concrete must be dry prior to treatment.**

#### Dilution

This product is concentrated and should be mixed 3 parts water to 1 part product. Shake product before mixing with water. Stir the concentrate and water together for 30 seconds with a mixing drill and paddle.

#### Application

Use a low-pressure pump sprayer. Be sure to shake product right before putting into sprayer. Use a conical tip that sprays .05 to .15 gallons per minute. Spray with the tip 1 to 2 feet above the surface and use a circular motion to achieve an even application. Spray enough product to achieve an even look of saturation. Keep the surface wet for a minimum of 15 minutes, applying additional product when necessary to keep surface wet.

Allow surface to dry completely. This usually takes less than one hour. If concrete seemed porous on the first application, you may wish to apply a second application to achieve optimum formation of calcium silica hydrate.

When using product in conjunction with polishing, it is best to apply the product at 200 or 400 grit. If desired, CoverColor Concrete Stain should be applied prior to the application of hardener. A second application of CoverColor Concrete Stain may be used to achieve a richer color in the concrete after the CD80 has been applied and is completely dry.

#### Care and Maintenance

Treated floors should not be cleaned with citric or abrasive cleaners.

PH neutral cleaners should be used for on-going

### **Limitations**

This product is not a “sealer” and will not prevent staining. Use CoverShield products if you wish to seal and protect from staining

Will not accommodate dynamic movement cracks.

Do not dispose of into the water system.

### **Datasheet Validity**

Please check the datasheet section on [www.covertecproducts.com](http://www.covertecproducts.com) to ensure you have the latest version of the datasheet.

### **Health and Safety**

**Please refer to the Material Safety Data Sheet (MSDS) prior to the use of this product. The MSDS can be obtained via our website [www.covertecproducts.com](http://www.covertecproducts.com).**

### **Limited Warranty**

This product is warranted to be of good quality and that it complies with the properties shown in its current datasheet. CoverTec will replace or, at our election, refund the purchase price of the product if proven defective when used according to the instructions in the current datasheet Any suspected defect must be reported to CoverTec in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. CoverTec Products LLC. **makes no warranty as to the merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied and explicitly excludes liability for consequential damages, down time, or delay.**