

CSI FinishCrete

Technical Data Sheet 34.0509DS

Description

CSI FinishCrete is a polymer modified, Portland cement-based, light gray powder designed for repairing, finishing and/or smoothing concrete surfaces. When rubbed or troweled onto the surface of new or aged concrete surfaces, CSI FinishCrete fills honeycombs, pinholes, voids and other surface imperfections to give a smooth, aesthetically pleasing surface suitable for use as-is or for decorative finishing. CSI FinishCrete should not be used as a wear surface on floors.

Product Benefits

- Excellent Workability/"hand"
- Extended Open Time
- Smooth Version Ideal for Feather Edges
- Reduced Tendency to Ball up
- Easy to Mix - Just Add Water
- Excellent Adhesion

Pre-Application

The surface must be clean of all loose materials and contaminants such as dust, dirt, grease, curing compounds or sealers. The surface should have a rough finish. Sandblasting, scarifying or acid etching may be required to roughen the surface or to open the pores. If acid is used it must be thoroughly washed off and neutralized before application of CSI FinishCrete. The surface should be damp but not wet.

Application

1. Mixing: Add one bag of CSI FinishCrete to about one gallon of water, mixing continuously, until a stiff mixture about the consistency of putty is obtained. Additional water may be added if necessary. Do not use too much water. Too much water will reduce the strength of the product and may cause crazing or dusting. Typically a total of about 1 to 1 1/2 gallons of water are needed for each 40 lb bag of CSI FinishCrete. Mix by hand or with a low speed drill but avoid entraining air.

To obtain a tougher surface &/or improve adhesion substitute 1/4 of mixing water with CSI Reinforcing Admixture RA-1A-40. CSI Integral Colors may be added if color is desired.

2. CSI FinishCrete should not be applied until the concrete surface has fully cured (generally about 28 days). On very hot, dry days the surface may be misted with water to insure full hydration of the cement. Please refer to the "Curing" section of this brochure.

3. CSI FinishCrete is normally applied to walls with a float or sponge trowel in a smooth uniform coat. All deep imperfections must be filled to 1/8" or less. Then use CSI FinishCrete to fill in remaining areas.

4. Next apply a thin finish coat of CSI FinishCrete over entire surface involved. Press on finish coat and work in with sponge float or trowel. Apply second coat if needed, while first coat is still damp. Apply in continuous operation for more uniform shade. Avoid applying in direct sun on hot days.

5. Since CSI FinishCrete is normally used in very thin applications, the moisture can be evaporated before CSI FinishCrete can fully cure. To achieve full strength and hardness, mist spray or sprinkle with water once or twice the first day of application, again the following day and several times thereafter. Protect from rain and excess wetting for 24 hours.

Coverage Rate and Drying Times

CSI FinishCrete will have varying coverage rates depending on the surface finish. At 1/8 inch thickness, and depending on surface porosity, one 40 pound bag of CSI FinishCrete will cover approximately 48 square feet with a smooth finish and 40 square feet with a textured finish.

Package Sizes

CSI FinishCrete is available in 40 lb., multi-wall paper bags.

Technical Data

Please refer to the corresponding MSDS for hazard-related information.

Bucket Life.....@75 F = About 2 hours

Dry Time.....@ 75 F = About 30 minutes

Compressive Strength (PSI)

ASTM C-109	Smooth: 7 days = 3150
	28 days = 3940
	Textured: 7 days = 3325
	28 days = 4100

Flexural Strength (PSI) 28 days

Smooth: = 860
Textured: = 945

Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

Warranty

CSI FinishCrete a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc.