

CSI Concrete Bonder Type II

(NON Re-Emulsifying Bonding Agent)



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Technical Data Sheet

Description

CSI Concrete Bonder Type II is a ready to use, film forming, NON re-emulsifiable liquid bonding agent and polymer modifier for concrete. It is designed to improve the adhesive and physical properties of most cementitious materials. Its blend of polymers provides optimum strength as a bonding agent or admixture for concrete repair, leveling, grouts, thin sets and mortar beds or rubbing applications. It may be used interior or exterior, as well as below or above grade. It can be used as wet-on-wet or wet-on-dry because it does re-emulsify one time, and only time, after drying when used as a bonding agent for cement based applications.

Product Benefits

• CSI Concrete Bonder Type II is designed as a primer to promote better adhesion for overpours, underlayments and patches. It may also be added to the concrete mix to further improve the toughness and adhesion of the overpour or patch. When cured, it will exhibit improved adhesion to other cementitious products and will also be weather and water resistant.

- Non-reemulsifiable
- Improved Adhesion
- Improved Bond Strength
- Increased Tensile & Flexural Strength
- Greater Flexibility & Toughness
- Greater Impact Resistance
- Improved Freeze/Thaw Durability

Pre-Application

For best results, CSI Concrete Bonder Type II should be used undiluted. To insure a proper bond of patches, grout and overpours, the surface must be clean of all loose materials and contaminants. This includes all dust, dirt, grease, curing compounds or sealers. The surface should have a rough finish. Acid may be required to etch a smooth troweled surface, but it is not an effective method of removing most sealers. Usually a hot solvent works well, but you should determine what material was used on the surface and consult the manufacturer of the product for the best removal method. A blast track type removal system works best for all types of contaminants. Once thoroughly cleaned, the surface should be dampened with clean water and temperature should be above 40 F.

Application

1. Primer: For best results, CSI Concrete Bonder Type II should be applied, undiluted to the existing surface and allowed to become tacky. Although CSI Concrete Bonder Type II will re-emulsify once, best results are obtained if any topping is applied before the bonder has completely

dried. The weather and outside temperature effect the drying time. Application rates depend upon the porosity of the substrate but generally one gallon should be used for every 100 to 200 square feet of surface.

2. Admixture: When added to the concrete, one should substitute from 1/2 to 1 gallon of CSI concrete Bonder Type II for an equal volume of water in the mix. The CSI Concrete Bonder Type II should be premixed with the remaining water and then added to the cement/sand/aggregate mix.

Package Sizes

CSI Concrete Bonder Type II is available in 1 gallon jugs (4 to case), 5 gallon pails, 55 gallon drums and 275 gallon containers.

Technical Data

Please refer to the corresponding SDS for hazard-related information. Meets or exceeds ASTM C-1059

Density.....Approx. 9.2 lbs. per gallon

Solids Content.....Approx. 40%

Product Handling

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

Warranty

CSI Concrete Bonder Type II, 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.

TABLE OF PROPORTIONS' HBS CONCRETE BONDER

	BONDING GROUT (PARTS)	TOPPING MIX (PARTS)
HBS CONCRETE BONDER II.....	1.....	1
Sand.....	2.5.....	15
Cement.....	5.....	5
Water.....	as required.....	as required



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*For complete information on all CSI products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact ChemSystems, Inc.

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