

CSI Concrete Bonder II

Technical Data Sheet 30.0509DS

Description

CSI Concrete Bonder II is an aqueous dispersion of high molecular weight acrylic and polyolefin polymers. It exhibits excellent resistance to degradation by water and both high and low pH solutions as well as a wide range of chemicals. CSI Concrete Bonder II is a non-reemulsifying material that passes the ASTM 1059-86 requirements for both CSI Concrete Bonder and CSI Concrete Bonder II (non-reemulsifiable) latex bonding agents.

Product Benefits

• CSI Concrete Bonder 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 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 II should be applied, undiluted to the existing surface and allowed to become tacky. Although CSI Concrete Bonder II will be re-emulsify once (it will not act as a bond breaker if allowed to dry) 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 II for an equal volume of water in the mix. The CSI Concrete Bonder II should be premixed with the remaining water and then added to the cement/sand/aggregate mix.

Package Sizes

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

Technical Data

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

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

Solids Content.....Approx. 40%

Product Handling

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

Warranty

CSI Concrete Bonder 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.