

CSI Reinforcing Admixture

Technical Data Sheet 31.0509DS

Description

CSI Reinforcing Admixture 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 Reinforcing Admixture is a non-reemulsifying material that exceeds the ASTM 1059-86 requirements for CSI Concrete Bonder II (non-reemulsifiable) admixtures.

Product Benefits

- CSI Reinforcing Admixture is designed as an admixture for GFRC, concrete, mortar, plaster, stucco, underlayments and most cementitious materials. CSI Reinforcing Admixture will create a stronger, tougher, and more flexible end product that when cured will exhibit improved adhesion to other cementitious products. In GFRC applications it helps protect the glass fibers from both physical and chemical degradation by providing a flexible, protective and adherent film around the individual glass fibers and the fiber handles.
- Non-reemulsifiable
- Improved Adhesion
- Improved Bond Strength
- Increased Tensile & Flexural Strength
- Improved Flexibility & Toughness
- Greater Impact Resistance
- Improved Freeze/Thaw Durability
- Reduced Moisture Vapor Transmission
- Reduced need for Humid Aged Curing
- Reduces Efflorescence
- Improves Cement Hydration

Application

1. For best results, it is recommended that one add from 5.0 to 7.5% polymer solids based on Portland cement weight to the concrete mix. For dry tamp applications, the CSI Reinforcing Admixture should be premixed with the normal batch water and then added to the mix as one would normally add the water. For wetter mixes, like ready mix, the CSI Reinforcing Admixture should be added after all other ingredients have been thoroughly mixed together and the batch then mixed for an additional 5 minutes. For either dry tamp or ready mix applications, a volume of water equal to the volume of CSI Reinforcing Admixture should be removed from the batch.

Package Sizes

CSI Reinforcing Admixture 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.....9 lbs. per gallon

Solids Contents.....variable 40% (RA-II-40) to 50% (RA-II-50)

Product Handling

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

Warranty

CSI Reinforcing Admixture 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.