

CSI #120 Conduit Red

Technical Data Sheet 46.1110DS

Description

CSI #120 Conduit Red is high quality, synthetic iron oxide (Fe_2O_3) that meets the requirements of ASTM specification C-979-82. It is lightfast, chemical and weather resistant.

CSI #120 Conduit Red is intended to be used as in integral colorant in concrete whenever color is needed for either decoration or to identify special areas like handicap ramps, pedestrian walkways, underground utility installations.

Before Application

1. The concrete should contain 5 sacks or more of cement per cubic yard of concrete, and have a slump of 4 inches or less. All fine and coarse aggregates must be non-reactive. The concrete must not contain any admixture or additive that contains calcium chloride. Inclusion of fly-ash in the concrete mix may influence the final color.

Application

1. CSI #120 Conduit Red color should be added directly in to the mixer along with the aggregate, cement and water.
2. After all color has been added, the mixer should operate at mixing speed for 10 minutes. The mix design should remain constant from batch to batch.
3. Place colored concrete in the forms as near to the final location as possible. Movement should be minimal to avoid segregation.
4. Once a portion of the batch has been placed, no water should be added to the remaining batch.

Finishing

1. Finishing should not begin until the bleed water has left the surface to avoid scaling, dusting, crazing, efflorescence and uneven color.
2. Initial floating should be discontinued as soon as the surface becomes wet. Floating may be resumed after surface water disappears.
3. Over troweling may cause dark spots.
4. Do not add water to the finishing process. Do not use plastic sheeting or membrane paper. No dusting with cement or sprinkling with water should be done when finished colored concrete. Curing may be done with a non-silicate curing compound.
5. It is highly recommended that surfaces be sealed with one of the CSI family of sealers.

Coverage Rates

The amount of color required for any given job is based on a specific weight ratio of color to cement. The most common usage (based on a 5 sack mix) is 8, 10, or 12.5 lb per cubic yard depending on the shade of red desired.

Dosage and Package Sizes

- CSI #120 Conduit Red dosage depends largely on what the specifier/inspector wants but generally 10 to 15 lbs. per cubic yard of concrete is suitable.
- CSI Integral Concrete Color is normally supplied in 50 lb. paper bags but is also available in 5 gallon plastic pails or custom packages to meet your batch design.

Technical Data

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

Product Handling

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

Warranty

CSI #120 Conduit Red, 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.

