



SCOFIELD® Integral Color Utility Grade

An economical blend of synthetic iron oxide pigments for coloring below-grade utility encasements and excavatable concrete.

TECH-DATA BULLETIN TD-7100.02 Rev. 1.13.2015

1. Product Description:

SCOFIELD® Integral Color Utility Grade is a value blend of synthetic iron oxide pigments used to inexpensively add integral color to below grade utility encasements, excavatable concrete, Controlled Low Strength Materials (CLSM), and low strength geotechnical concrete.

Scofield Integral Color Utility Grade uses pigments that are weather resistant, lightfast, and alkali resistant. It contains a minimum of 50% post-industrial recycled material. It is ideal for coloring concrete designed to mark, identify, protect, and encase, utility conduit, pipes, wire cables, or fiber optic lines.

Colors: Utility Red, Utility Orange, Utility Yellow, Utility Black

2. Limitations:

Scofield Integral Color Utility Grade is not suitable for architectural flatwork, walls, or structural members. As recycled material is used to produce Utility Grade colors, they are not tightly controlled for hue, and visual color may vary. When developing Utility Grade concrete mix designs and recipes, always make, test, and evaluate the final mixture to ensure the desired color and performance properties are achieved.

3. Composition and Materials:

Scofield Integral Color Utility Grade contains no corrosive materials and will not initiate, accelerate, or promote corrosion of reinforcing steel, metal, plastic, or rubber encasements.

4. Dosage:

Typical dosage is 1-4 pounds of Scofield Integral Utility Grade material per 94 pound sack of cement. Classic concrete mix designs that use 5 sacks of concrete per cubic yard generally require 1 pound of material per sack of cement. Mix designs with very low levels of cement, heavily air entrained mixes, or low cement cellular mixes, may require higher doses to meet color specifications. Always evaluate mix designs as specified in this document under section 6. *Jobsite Samples*.

5. Packaging

Scofield Integral Color Utility Grade is available in 10 and 20 pound bags.

6. Jobsite Samples:

Always evaluate mix designs for color and other performance properties by creating actual sample mixtures of at least 1 cubic foot in size. Test samples for compliance with job specifications. Ensure samples do not prematurely fail, or exceed compressive strength, shrinkage, or color parameters. Do not place mix designs into service that do not meet all job specifications.

7. Storage and Shelf Life:

Kept dry and moisture free, Scofield Integral Color Utility Grade has a shelf life of 2 years from date of manufacture.

8. Cautions:

WARNING!

**DO NOT TAKE INTERNALLY.
KEEP OUT OF THE REACH OF CHILDREN.
EMERGENCY TELEPHONE NUMBER: CHEMTREC 1-800-424-9300.
FOR PROFESSIONAL USE ONLY.**

May cause eye or skin irritation. Safety goggles, impervious gloves, and dust respirator are required.

FIRST AID: Eyes—Hold eyelids apart while flushing material out thoroughly with large amounts of water. Skin—Wash thoroughly with soap and water. Inhalation—Move to fresh air. If symptoms persist or develop or if ingested, get medical attention.

Wash thoroughly immediately after handling. Close package after each use. Before using or handling, read the *Material Safety Data Sheet and Warranty*.

9. Availability:

Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance in architectural and utility concrete. Scofield Systems address specialized requirements for interior, exterior and vertical uses with compatible systems of complementary products including coloring admixtures, color hardeners, colored cementitious toppings, stains, curing compounds, sealers, coatings, repair products and texturing tools. Visit the Scofield website at www.scofield.com for further information.

10. Limited Warranty:

Since no control is exercised over product use, L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality within manufacturing tolerances. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESS OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SCOFIELD, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Liability for breach of contract, negligence, or on any other legal basis is limited to the lesser of refund or replacement of defective materials. SCOFIELD WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING FOR DELAYS OR LOST PROFITS. Communication of this warranty and its limitations to end users is not the responsibility of Scofield, but should be communicated by those in direct contract with the end user. Any claim regarding product defect must be received in writing within one year from the date of manufacture. No claim will be considered without such written notice or after the specified time interval. The end user shall determine the suitability of the products for the intended use and assumes all risks and liability in connection therewith.



1 800 800 9900 or www.scofield.com

SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY

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