



COUNTERFORM

CONCRETE COUNTERTOP SOLUTIONS

Terra-Tint Integral Pigment

Product Description

Concrete Countertop Solutions Integral Colors are pure concentrated pigments (both natural and synthetic) that contains no fillers, contaminants or admixtures that will affect the characteristics or performance of the concrete mix design. Because of their extremely small particle size, they have high tinting strength and are lightfast, limeproof and water resistant. Terra-Tint Integral Colors are specifically designed to use in all cementitious materials. Basic applications include ready-mixed concrete, concrete countertops, specialty concrete mixes, roof tiles, stucco, concrete brick, concrete pavers, concrete blocks, precast concrete products, plaster, grouts and many other options.

Tech Specifications

APPLICABLE STANDARDS American Society for Testing & Materials (ASTM)

ASTM C979 Standard Specification for Pigments for Integrally Colored Concrete

ASTM D50 Standard Test Methods for Chemical Analysis of Yellow, Orange, Red and Brown Pigments Containing Iron and Manganese

ASTM D1208 Standard Test Methods for Common Properties of Certain Pigments

ASTM E308 Standard Practice for Computing the Colors of Objects by Using the CIE System ACI International (American Concrete Institute)

ACI 301 Specifications for Structural Concrete in Buildings

ACI 302.1 Guide for Concrete Floor and Slab Construction

ACI 303 Standard Specification for Cast-in-Place Architectural Concrete

ACI 305 Hot Weather Concreting

ACI 306 Standard Specification for Cold Weather Concreting.

ACI 308 Standard Practice for Curing Concrete Portland Cement Association (PCA)

PCA SP021.02A Color and Texture in Architectural Concrete

PCA ISO01.08T Effect of Substances on Concrete and Grout

INSTRUCTIONS

All concrete should be batched by the same company and the same plant if possible in order to prevent possible cement shade variations. All concrete should be a minimum of a 5 bag mix and placed at the same slump. A 3" - 4" (76 - 102mm) slump is recommended with a maximum slump of 5" (127 mm). When integrating Terra-Tint Integral Color into the concrete in a mixing truck, consistent practice must be followed throughout

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the job. The color should be added at the batch plant (preferred) or at the jobsite. Add Integral Color bags directly into the mixer along with aggregate, cement and water. During integrating the transit mixer should operate at charging or mixing speeds of 50 - 100 revolutions for 5 to 10 minutes after adding the color product. Any cement substitutes such as fly ash or blast furnace slag that are utilized will likely have a slight effect on color and that needs to be considered before beginning. In hot weather, the use of a retarder should be considered. During cold weather, a NON Chloride accelerator is acceptable. Never use calcium chloride. Terra-Tint color is compatible with most chemical admixtures and fibers. All concrete subject to freeze/thaw cycles should be properly air entrained (typically 5%-7%) as prescribed by the mix design.

Once placing the concrete has begun, no additional water should be added as it will alter the color. Curing/ Sealing should begin as soon as possible after the final finish is completed. To protect and help cure the concrete, it should be properly sealed. NOTE: Non-breathable sealers should wait for at least 28 days before application.

PRECAUTIONS

When Terra-Tint Integral Color is stored under normal conditions in a moisture free environment, a shelf life of at least 1 year from the date of purchase will be obtained. Tru Hue Integral Color should never be the first ingredient added to the concrete mixing truck. The addition of water and aggregate should precede the color. Once placement of a batch of Terra-Tint Integral Colored Concrete has begun, no water should be added to the remainder of the batch as lighter shades will result. Seller's and manufacturer's sole responsibility shall be to replace the portion of the manufacturer's product which proved to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from the use or inability to use the product. Recommendations or statements, other than those contained in a written agreement signed by an officer of the manufacturer, shall not be binding upon the manufacturer or seller. Additional information on warranty conditions, duration and remedies may be obtained from the manufacturer

WARNINGS: Contains nuisance dust, avoid inhalation. Wear gloves, safety goggles, and OSHA approved dust respirator during mixing and placement. Refer to product M.S.D.S. (Material Safety Data Sheet) for additional safety information. Do not take internally. Avoid prolonged contact with skin. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the Instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.