

MasterColor[®] 60 White

Liquid Titanium Dioxide Coloring Admixture

Description

MasterColor 60 White liquid titanium dioxide coloring admixture is a patented, engineered, high quality, coloring dispersion for architectural and decorative concrete. MasterColor 60 White coloring admixture is a ready-to-use integral liquid that is compatible with the four MasterColor 60 base liquid colors:

- Black
- Light Red
- Medium Red
- Yellow

These four base colors and MasterColor 60 White admixture can be used to make a wide range of colors

Applications

Recommended for use in:

- Architectural concrete products
- Precast concrete
- Stone veneer products
- Manufactured concrete products
- Ready-mixed concrete
- Integrally-colored decorative concrete

Features

- Liquid coloring admixture dispensed with the automated CAM (Coloring Admixture Measuring) System or portable CAM Jr. System
- Used with Master Builders Solutions performance admixtures in the production of durable decorative concrete
- Faster dispersion into concrete.

Benefits

- Beautiful, long-lasting, integrally-colored concrete
- Enhanced finishing characteristics
- Color vibrancy
- Excellent color accuracy
- Batch-to-batch color consistency and verifiable color batching results
- Increased productivity and reduced labor
- Clean and simple batching
- Quality custom color services
- Single source producer support for chemical, mineral and coloring admixtures

Typical Properties : Density 16-17 lb/gal (1.92 - 2.04 kg/L) [@72 °F (22 °C)]

Guidelines for Use

Dosage: MasterColor 60 White liquid coloring admixture dosage can be programmed into the CAM System as required.

MasterColor 60 White admixture is water neutral at loading rates of 5% or less. At loading rates greater than 5%, MasterColor 60 White liquid coloring admixture may provide increased water reduction depending on local concrete materials. Therefore, at loading rates above 5%, laboratory/field evaluations of MasterColor 60 White admixture are recommended to verify desired concrete performance.

Mixing: With the automated CAM System, MasterColor 60 White liquid coloring admixture is weighed or metered and dispensed prior to or while loading concrete. Product and rinse water are calculated by the CAM System and should be included as total batch water. For best results add coloring admixture prior to batching concrete. For post addition, mix a minimum of 4-5 minutes at normal mixing speed to assure uniformity.

For best results, truck or mixer should be clean and pre-wet with no standing water. A minimum batch size equal to 1/3 of the mixer capacity should be used as a guideline for efficient mixing. Keeping the addition order, mixing time, materials and water cement ratio constant between multiple batches is critical for color consistency.

General: Due to the graying effect of most cements, there are some custom colors that can only be produced using very light gray cements, white cements, or white liquid coloring admixture. Variations in water content, cement type, color variations in cementitious materials or aggregates, finish texture, timing of operations, curing or forming methods, release agents or surface treatments may produce distinct, though in many cases slight, variations in final color.

Product Notes

Corrosivity – Non-Chloride, Non-Corrosive: MasterColor 60 White liquid coloring admixture will neither initiate nor promote corrosion of reinforcing steel embedded in concrete. No calcium chloride or chloride-based ingredients are used in the manufacture of these products. Complete safety information can be found on the MasterColor 60 White liquid coloring admixture Safety Data Sheet.

Compatibility: MasterColor 60 White liquid coloring admixture is compatible with most admixtures used in the production of quality concrete. Supplementary cementitious materials (SCMs) may affect color and should be checked for potential adjustments. All other admixtures should be dispensed into the concrete separately. The use of calcium chloride accelerators is not recommended in decorative concrete. Final color and texture should be verified with a cured jobsite mock-up.

Storage and Handling

Storage Temperature: MasterColor 60 White liquid coloring admixture should be stored between 40 and 100 °F (4 and 38 °C) with regular mixing or recirculation. To prevent pigment sedimentation, recirculate the material every 90 days or less. Always mix material well prior to use. Automated recirculation is included with the CAM System. If MasterColor 60 White liquid coloring admixture freezes, contact your local sales representative.

Shelf Life: MasterColor 60 White liquid coloring admixture has a minimum shelf life of 12 months if stored properly.

Packaging

MasterColor 60 White liquid coloring admixture is available in 50 lb (22.7 kg) pails and 3350 lb (1520 kg) net returnable totes.

Related Documents

Safety Data Sheet: MasterColor 60 White liquid coloring admixture

Additional Information

For additional information on MasterColor 60 White liquid coloring admixture, contact your local sales representative.

Master Builders Solutions creates technologies for the construction industry inspiring people to build better. We are active in ~40 countries and operate 35 production sites with over 1,600 employees. We develop, produce, and market high-quality chemical admixtures, as well as adjacent core technologies, to master the challenges of today and support a decarbonized future. Our people are pivotal and pair leading technologies and a strong brand heritage to surpass our customers' expectations and drive continuous value creation.

Limited Warranty Notice

Master Builders Solutions Admixtures US, LLC ("Master Builders Solutions") warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. MASTER BUILDERS SOLUTIONS MAKES NO OTHER WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ITS PRODUCTS. The sole and exclusive remedy of Purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is shipment to purchaser of product equal to the amount of product that fails to meet this warranty or refund of the original purchase price of product that fails to meet this warranty, at the sole option of Master Builders Solutions. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by Purchaser. MASTER BUILDERS SOLUTIONS WILL NOT BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFITS) OR PUNITIVE DAMAGES OF ANY KIND.

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