

# MasterColor<sup>®</sup> L Blue

## Liquid Cobalt Coloring Admixture

### Description

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

- Black
- Light Red
- Medium Red
- Yellow

These four base colors and MasterColor L Blue 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 admixtures to produce 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

### Typical Properties

Density 13 - 15 lb/gal (1.56 - 1.80 kg/L) [at 72 °F (22 °C)]

### Guidelines for Use

**Dosage:** MasterColor L Blue admixture dosage can be programmed into the CAM System as required.

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

**Mixing:** With the automated CAM System, MasterColor L Blue 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-cementitious materials 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 L Blue 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 L Blue admixture Safety Data Sheet.

**Compatibility:** MasterColor L Blue admixture is compatible with most admixtures used in the production of quality concrete. Supplementary cementitious materials may affect color and should be checked for potential adjustments. All 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 L Blue 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 L Blue admixture freezes, contact your local sales representative.

**Shelf Life:** MasterColor L Blue admixture has a minimum shelf life of 12 months if stored properly.

## Packaging

MasterColor L Blue admixture is available in 50 lb (22.7 kg) pails, 425 lb (193 kg) drums and 3350 lb (1520 kg) net returnable totes.

## Related Documents

Safety Data Sheet: MasterColor L Blue admixture

## Additional Information

For additional information on MasterColor L Blue admixture, contact your local sales representative.

*Master Builders Solutions, a brand of MBCC Group, is a global leader of innovative chemistry systems and formulations for construction, maintenance, repair and restoration of structures. The Admixture Systems business provides advanced products, solutions and expertise that improve durability, water resistance, energy efficiency, safety, sustainability and aesthetics of concrete structures, above and below ground, helping customers to achieve reduced operating costs, improved efficiency and enhanced finished products.*

*Utilizing worldwide resources, the Master Builders Solutions community of experts are passionate about providing solutions to challenges within all stages of construction, as well as the life cycle of a structure. At Master Builders Solutions we create sustainable solutions for construction around the globe.*

## 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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