

MasterEase[®] 5000

Water-Reducing and Conditioning Admixture

Description

MasterEase 5000 admixture is a water-reducing and conditioning admixture based on a unique, patented technology. It is designed to enhance the rheology of concrete mixtures. The improvement it imparts to the plastic properties of concrete significantly facilitates placement, acting like a conditioner for concrete. Developed for versatile use, MasterEase 5000 admixture can be employed either as a standalone admixture or as a supplement to other water-reducing admixtures. It meets the ASTM C494/C494M standards for Type A water-reducing admixtures.

Applications

Recommended for use in:

- Ready-mix concrete
- Precast concrete
- Ultra-High-Performance Concrete
- Concrete mixtures at all slump levels
- Concrete mixtures designed with low paste volume
- Concrete Mixtures containing challenging raw materials such as manufactured sand, silica fume, and high fineness portland-limestone cements

Features

- Improves rheological properties of concrete
- Superior concrete workability, pumpability, and finishability qualities
- Flexible dosing for distinct applications

Benefits

- Reduced mixing time of concrete
- Enhanced handling, placement, and finishability
- Lowers pumping pressure
- Improves consolidation with less need for vibration
- Increased production rate of slip-form and extruded applications
- Extends service life of construction equipment
- Improves surface quality and durability

Guidelines for Use

Dosage: MasterEase 5000 admixture can be used as a standalone or in combination with other Master Builders Solutions water-reducing admixtures.

The recommended dosage range is 1-6 oz/cwt (65-400 mL/100 kg). The optimum dosage should be determined by conducting trials. Consult your local sales representative for guidance & assistance.



Product Notes

Corrosivity: Non-Chloride, Non-Corrosive: MasterEase 5000 admixture will neither initiate nor promote corrosion of reinforcing or prestressing steel embedded in concrete, or of galvanized steel floor and roof systems. Neither calcium chloride nor other chloride-based ingredients are used in the manufacture of MasterEase 5000 admixture.

Compatibility: MasterEase 5000 admixture may be used in combination with any Master Builders Solutions admixtures. When used in conjunction with other admixtures, each admixture must be dispensed separately into the concrete mixture. Do not use MasterEase 5000 admixture in combination with naphthalene-based admixtures. Erratic behaviors in slump, slump flow and pumpability may be experienced.

Storage and Handling

Storage Temperature: MasterEase 5000 admixture should be stored between 32 °F and 105 °F (0 °C and 41 °C). If MasterEase 5000 admixture freezes, thaw at 40 °F (5 °C) or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation.

Shelf Life: MasterEase 5000 admixture has a minimum shelf life of 12 months when stored under recommended conditions. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of MasterEase 5000 admixture has been exceeded.

Packaging

MasterEase 5000 admixture is supplied in 55 gal (208 L) drums and 264 gal (1000 L) totes

Related Documents

Safety Data Sheet: MasterEase 5000 admixture

Additional Information

For additional information on MasterEase 5000 admixture or its use in developing concrete mixtures with special performance characteristics, 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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