

03 30 00	Cast-in-Place Concrete
03 40 00	Precast Concrete
03 70 00	Mass Concrete
03 37 00	Shotcrete

MasterSuna® CBS 3210

Clay blocking admixture to mitigate the effects of clay-containing aggregates in concrete mixes

Description

MasterSuna CBS 3210 admixture is formulated to reduce the negative impacts of deleterious clays in the sand and aggregates in concrete mixtures.

MasterSuna CBS 3210 admixture meets ASTM C 494/C 494M requirements for Type S, Specific Performance Admixtures.

Applications

MasterSuna CBS 3210 admixture is suitable for use in most concrete applications:

- Ready-mixed concrete
- Prestressed concrete
- Precast concrete
- Reinforced concrete
- Shotcrete
- Lightweight concrete

Features

- Liquid admixture
- Neutralizes charge on clay particles

Benefits

- Simple batch panel integration and batch ticket verification of addition
- Prevents clay particles from binding up mix water
- Eliminates / minimizes need for sacrificial dosage of high-range water-reducing admixture
- Improves workability
- Improves finishability
- Allows for the use of a wider range of aggregate sources

Performance Characteristics

Technical data

Form	Liquid
Color	Dark brown
Density*	69.7 ± 1.2 lb/ft ³ (1.116 ± 0.02 g/cm ³)
Viscosity (dynamic)*	< 60 cP (mPa.s)
pH*	Approx. 7
*at 68 °F (20 °C)	

Guidelines for Use

Application Procedure: Early addition of MasterSuna CBS 3210 admixture with the initial mix water is highly recommended. Adding MasterSuna CBS 3210 admixture at later points in the mixing process is possible, but higher dosages may be required, and the effectiveness of the product could be reduced.

Dosage: MasterSuna CBS 3210 admixture is recommended for use within the dosage range of 2-12 fl oz/cwt (130 - 780 mL/100 kg) of cementitious materials for most concrete mixtures using average concrete ingredients. Because of variations in job conditions and concrete materials, dosages other than the recommended amounts may be required. In such cases, contact your local sales representative.

Product Notes

Corrosivity: Non-Chloride, Non-Corrosive: MasterSuna CBS 3210 admixture will neither initiate nor promote corrosion of reinforcing steel in concrete. This admixture does not contain intentionally-added calcium chloride or other chloride-based ingredients.

Compatibility: MasterSuna CBS 3210 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 mixture.

Storage and Handling

Storage Temperature: The storage temperature of MasterSuna CBS 3210 admixture is between 50 °F and 105 °F (10 °C and 40 °C). Do not allow the product to freeze.

Shelf Life: MasterSuna CBS 3210 admixture will have a shelf life of 12 months.

Packaging

MasterSuna CBS 3210 admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes, and by bulk delivery upon request.

Related Documents

Safety Data Sheet: MasterSuna CBS 3210 admixture

Additional Information

For additional information on MasterSuna CBS 3210 admixture, please 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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