

3

03 30 00

Cast-in-Place Concrete

4

03 40 00

Precast Concrete

32

04 22 00

Concrete Unit Masonry

32 32 23

Segmental Retaining Walls

MasterCast® 630S

Plasticizing Admixture

Description

MasterCast 630S admixture is a ready-to-use plasticizer for use in no-slump concrete fabrication processes.

Formulated to improve the manufacturing efficiency of non-plastic concrete products, this admixture adds a significant degree of cohesion for block and pipe applications. MasterCast 630S admixture improves cement particle wetting and increases strength development as a result.

Applications

Recommended for use in:

- Concrete blocks
- Paving stones
- Segmental retaining wall units
- Concrete roof tiles
- Dry-cast concrete pipes
- Hollow-core planks

Features

- Light to moderate swipe texture
- Cement dispersion agent
- Provides improved material flow and extrusion characteristics

Benefits

- Increases production rate
- Increases compressive and flexural strengths
- Improves compactability
- Reduces breakage and culls
- Potential cement reduction
- Extends life of molds and machine parts
- Increases overall profitability

Guidelines for Use

Dosage: MasterCast 630S admixture is recommended for use within a dosage range of 3-8 fl oz/cwt (195-520 mL/100 kg) of cement.

Mixing: For maximum efficiency, add MasterCast 630S admixture early in the sequencing procedure. Best results typically occur by adding the MasterCast 630S admixture during the prewet process (with at least 70-80% of the required mix water), before adding the cementitious materials. Allow a minimum of 90 seconds of additional mixing time after all components have been dispensed.

Storage and Handling

Storage Temperature: MasterCast 630S admixture must be stored at temperatures above 40 °F (4 °C) and below 105 °F (42 °C). MasterCast 630S admixture should not be used after it freezes.

Shelf Life: MasterCast 630S admixture has a minimum shelf life of 12 months. 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 MasterCast 630S admixture has been exceeded.



Packaging

MasterCast 630S admixture is available in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Safety Data Sheets: MasterCast 630S admixture

Additional Information

For additional information on MasterCast 630S admixture, consult 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.

Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on Master Builders Solutions' present knowledge and experience. However, Master Builders Solutions assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. Master Builders Solutions reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified experts.