

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

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