

MasterCast[®] WP 240

Water repellent and efflorescence control admixture for manufactured concrete products or cast concrete

DESCRIPTION

MasterCast WP 240 multi-purpose admixture can be used in a variety of water-repellent and efflorescence control applications. This unique formula is based on a novel chemistry that is different from that of every conventional water repellent admixture in the concrete industry.

With its flexible dosage range, **MasterCast WP 240** admixture enables increased production rates of visually appealing manufactured concrete products and precast concrete products that have superior water repellency and secondary efflorescence control properties, increased strength performance, and improved color vibrancy.

MasterCast WP 240 admixture also exhibits excellent wind-driven rain resistance and has achieved the highest rating per ASTM E514.

RECOMMENDED FOR

- Architectural block
- Masonry construction
- Paving blocks / stones
- Segmental retaining wall units
- Concrete roof tile
- Precast / prestressed concrete

ADVANTAGES

- Unique formulation
- Contains components that enhance color and reduce efflorescence and staining potential
- Provides improved material flow and extrusion characteristics
- Superior water repellency versus conventional water-repellent admixtures
- Significantly reduces secondary efflorescence (improves primary efflorescence control)
- Improves color vibrancy and pigment efficiency
- Increases compressive and flexural strengths
- Increases production rate
- Adds visual appeal

PACKAGING

MasterCast WP 240 is available in 195 L drums or in bulk.

APPLICATION GUIDELINES

Use **MasterCast WP 240** admixture at a dosage in the range of 250-1000ml/100kg of cementitious material depending on the desired benefits.

- Efflorescence Control: Typically, 250-500ml/100kg of cementitious material.
- Water Repellency: Typically, 500-1000ml/100kg of cementitious material. Optimum water repellency dosage rates are determined through mix evaluation and testing procedures.

Please consult with your local Master Builders Solutions Technical representative if dosages outside of the listed ranges are being considered.

To further improve the color efficiency and strength performance, the addition of a **MasterCast** high performance plasticizing admixture is recommended.

MIXING

For maximum efficiency, add **MasterCast WP 240** admixture after wetting of aggregates and cement, and after at least 75% of the final mix water has been added. Allow at least 90 seconds of additional mix time after **MasterCast WP 240** admixture has been dispensed.

NOTES

MasterCast WP 240 admixture will not compensate for flaws in building design, materials, mix proportions, improper production procedures or improper construction methods.

Proper block manufacturing methods, proper masonry mortar proportioning and mixing and proper use of **MasterCast WP 240** admixture must be followed. Raked joints should not be permitted for water-repellent admixture system masonry projects. Remove excess mortar promptly and clean any residue.

Consult your Master Builders Solutions Technical Sales Representative for applicable design details and specifications.

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STORAGE AND SHELF LIFE

Keep container tightly closed. Protect from temperatures below 5°C.

MasterCast WP 240 has a shelf life of 12 months.

HEALTH AND SAFETY

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Master Builders Solutions Safety Data Sheet (SDS) from Master Builders Solutions office or website.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF

RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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