

MasterCast 250

Multi-purpose plasticizer for Manufactured Concrete Products, especially designed for concrete blocks.

Material description

MasterCast 250 is a multi-purpose plasticizer specially developed for dry concrete. MasterCast 250 is formulated to provide operational efficiencies resulting in cost-savings, while enhancing the aesthetic appearance of Manufactured Concrete Products; mainly recommended for concrete blocks production.

4 Value

MasterCast 250 is a key component to Master Builders Solutions 4 VALUE concept.

4 VALUE considers the four elements essential for Manufactured Concrete Products:

- economics,
- performance,
- aesthetics,
- durability.

Benefits

MasterCast 250 offers the following benefits for the MCP industry:

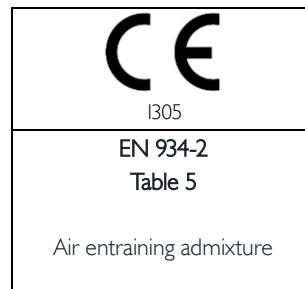
- improves material flow, compaction, and extrusion characteristics and maximizes the production rate at which dry cast concrete products can be fabricated,
- increases tolerance to variation of moisture content in the mix and consequently provides more homogeneous mix properties,
- produces a moderate to heavy swipe texture, improving the aesthetics of the elements,
- increases compressive and flexural strengths,
- overall, dry-cast concrete mixtures containing MasterCast 250 show increased compressive and flexural strengths, faster production rates, and improved surface finish characteristics.

Compatibility

MasterCast 250 is compatible and recommended for use with:

- MasterFinish MPT, machineries cleaning and protection agent,
- MasterFinish RL 98 and MasterFinish RL 430, form release agents for boards protection.

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 934-2 and the relative DoP (Declaration of Performance).



Dosage

MasterCast 250 admixture is recommended for use within a dosage range of 0.2 to 1.0 liters per 100 kg of cement. Please consult with our Technical Services Department if dosages outside the recommended range are being considered.

Packaging and storage

MasterCast 250 is available in 10L cans, 1.000L tanks and by bulk delivery.

MasterCast 250 admixture must be stored at temperatures above 5°C and below 40°C. MasterCast 250 should not be used after it freezes.

If stored in unopened containers according to manufacturer's instructions, the shelf life of MasterCast 250 is 12 months.



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Directions for use

MasterCast 250 is a liquid, ready-to-use, admixture to be added to the concrete during the mixing process.

Handling and transportation

Protection gloves and glasses are recommended while the product is used.

MasterCast 250 is non-flammable and is not subject to special transport requirements.

For further information please refer to the Safety Data Sheet.

Technical Information	
Form	Liquid
Relative density (g/ml at 20°C)	1.060 – 1.080
Essential characteristic in accordance to EN 934-2	Performance
Chloride ion content	≤ 0.1% by mass
Alkali content (Na ₂ O equivalent)	≤ 3%
Corrosion behaviour	Contains component only from EN 934-1: 2008 Annex A.1
Compressive strength	28 days ≥ 75%
Air content (entrained air)	Comply 5
Air void characteristic	≤ 0.200 mm

Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



Other services

For additional technical information, brochures, references, technical reports and technical support please visit www.master-builders-solutions.com/it-it or alternatively contact infomac@masterbuilders.com.

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Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

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