

# Mix Cast 100

## TECHNICAL DATA SHEET



**Multi-purpose plasticizer for Manufactured Concrete Products, especially designed for concrete blocks (MCP) industry.**

### MATERIAL DESCRIPTION

Mix Cast 100 is a versatile plasticizer that has been specifically designed for dry concrete. It has been formulated to improve operational efficiency and reduce costs while enhancing the aesthetic appearance of manufactured concrete products. It is highly recommended for the production of concrete blocks.

### USEFULNESS

Mix Cast 100 is a crucial product from Mix & Fix with four usefulness concept. This concept takes into account the four key wings that are essential for manufactured concrete products: economics, performance, aesthetics, and durability.

### ADVANTAGES

Mix Cast 100 offers several benefits for the Manufactured Concrete Product (MCP) industry.

- It improves material flow, compaction, and extrusion characteristics, which maximizes the production rate at which dry cast concrete products can be fabricated.
- It also increases tolerance to variation of moisture content in the mix and consequently provides more homogeneous mix properties.
- Additionally, it produces a moderate to heavy swipe texture, improving the aesthetics of the elements.
- Finally, dry-cast concrete mixtures containing Mix Cast 100 show increased compressive and flexural strengths, faster production rates, and improved surface finish characteristics.

### SUITABILITY

Mix Cast 100 is compatible and recommended for use with:

- ✓ General shutter release agent, machineries cleaning and protection agent.

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

Mix Cast 100 admixture is recommended for use within a dosage range of 0.2 to 1.0 liters per 100 kg of cement. If dosages outside the recommended range are being considered, please consult with our Technical Services Department

### STORAGE AND PACKAGING

Mix Cast 100 admixture must be stored at temperatures above 5°C and below 40°C. Mix Cast 100 should not be used after it freezes.

If stored in unopened containers according to manufacturer's instructions, the shelf life of Mix Cast 100 is 12 months.

Mix Cast 100 is available in 10L cans, 20L, 225L, 1000L tanks and by bulk delivery.

### DIRECTIONS FOR USE

Mix Cast 100 is a liquid admixture that is ready-to-use and should be added to the concrete during the mixing process.

### TRANSPORTATION AND HANDLING

Protection gloves and glasses are recommended while using Mix Cast 100. It is non-flammable and is not subject to special transport requirements. For further information, please refer to the Safety Data Sheet.

### SAFETY INFORMATION

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



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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
Compressive strength	28 days ≥ 75%

## OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports, and technical assistance, please contact [bmc.com.bd@gmail.com](mailto:bmc.com.bd@gmail.com)

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*For further information, please consult the expert technicians of Mix & Fix. The technical advice on how to use our products, whether written or verbally given, is 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 exempt from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes. This version supersedes all previous versions.*