

MasterCast 402

Essential component of 4 VALUE®

New generation of polycarboxylic ether plasticizer especially designed for vibro-compressed and extruded Manufactured Concrete Products.

DESCRIPTION AND WHERE TO USE

MasterCast 402 is an innovative multi-purpose plasticizer based on polycarboxylic ether polymers, specially developed for dry concrete.

At the same time, MasterCast 402 accelerates the strength development, increases the tolerance to changes in moisture content and reduces the cycle time whilst the appearance is maintained or even improved.

Thanks to its unique principle of action on the cement grain, MasterCast 402 fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing time especially during winter temperature conditions.

MasterCast 402 is suitable for Manufacturing Concrete Products, especially for:

- Extruded hollow-core slabs
- Pavers (bottom and mono layer)
- Blocks
- Manholes
- Pipes

MasterCast 402 is chloride free and it is also compatible with all cements meeting the UNI EN 197-1 and ASTM standards.

4 VALUE

MasterCast 402 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 402 offers the following benefits for the MCP industry:

- Optimised mix design.
- Increased tolerance to variation of moisture content in the mix and consequently, more homogenous mix properties.
- Enhanced productivity due to shorter cycle time.
- Higher early strength.
- Optimised curing cycles due to shorter curing times.

COMPATIBILITY

MasterCast 402 is compatible and recommended for use with:

- MasterFinish MPT 299, cleaning and protection agent.

MasterCast 402 is not compatible with all admixtures of MasterRheobuild and MasterGlenium series.

DIRECTIONS FOR USE

MasterCast 402 is a liquid ready-to-use admixture to be added to the concrete during the mixing process.

Handling and transportation

No special requirements must be observed while the product is used. Protection gloves and glasses are recommended. Do not eat, drink or smoke during the application. MasterCast 402 is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

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Technical Information	
Form	Liquid
Relative density (g/ml at 20°C)	1.020 – 1.060

DOSAGE

The normally recommended dosage rate for MasterCast 402 is 0.4 to 1.0 litres per 100 kg of cement.

Other dosages may be used in special cases according to specific job site conditions. In this case please consult our Technical Services Department.

PACKAGING AND STORAGE

MasterCast 402 is available in 208L drums, 1.000L tanks and in bulk. Samples are available in 10L cans.

MasterCast 402 must be stored in a place where the temperature does not drop below 5°C.

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

From 16/12/1992 BASF Construction Chemicals Italia Spa operates under the Quality System in compliance with European Standard UNI-EN ISO 9001. The environmental management system of BASF Construction Chemicals Italia Spa is certified accordingly to UNI EN ISO 14001 and the System of Safety Management is certified accordingly to OHSAS 18001. Environment sustainability: Partner Green Building Council since 2009.

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For further information, please consult your local BASF Construction Chemicals Italia Spa representative.

The technical advice on how to use our products, either written or verbally given, are based on the present state of our best scientific and practical knowledge, and no guarantee and/or implicit or explicit responsibility are assumed on final results of works executed by the use of our products.

The owner, his representative, or the contractor is responsible for checking the suitability of our products as to the intended use and aims.

Supersedes all prior issues on this product.

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