

MasterCast[®] 740

New generation plasticizer for Manufactured Concrete Products, specially engineered for hollow-core slabs, block and paver mixes

DESCRIPTION

MasterCast 740 has specially been developed for earth-dry concrete. This state-of-the-art plasticizer based on surfactant technology improves the productivity as well as the green and final strength. Due to its tribological effect, **MasterCast 740** enhances the closeness of the lateral surfaces and eases the demoulding of the manufactured concrete products. Particular sharp edges with minimal vibration can be achieved.

FIT 4 VALUE:

MasterCast 740 is a key component to Master Builders Solutions FIT 4 VALUE concept.

FIT 4 VALUE considers the four elements essential for MCP Manufactures:

1. FIT for Economics
2. FIT for Performance
3. FIT for Aesthetics
4. FIT for Durability

Here, FIT means meeting every requirement for economics, performance, aesthetics and durability.

TYPICAL APPLICATIONS

MasterCast 740 is suitable for Manufacturing Concrete Products, especially:

- Pavers
- Blocks
- Hollow-core slabs.

ADVANTAGES

MasterCast 740 offers the following benefits for the MCP industry to:

- Optimised mix design
- Higher green strength
- Improved final strength
- Enhanced productivity due to higher production speed
- Sharp edges with minimal vibration
- Enhanced closeness of lateral surfaces

PACKAGING

MasterCast 740 is available in 210 L drums or bulk.

STANDARDS

EN 934-2 Table 3.1 and 3.2

TYPICAL PROPERTIES*

Appearance	clear colorless to light straw colored liquid
Specific gravity @ 25°C	1.002 kg/litre
pH-value	10.5

APPLICATION GUIDELINES

MasterCast 740 is a liquid ready-to-use admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80% of the total water. The water content is adjusted to obtain the desired consistence or workability.

DOSAGE RATE

The normally recommended dosage rate is 0.1 to 0.5kg per 100kg 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.

STORAGE AND SHELF LIFE

MasterCast 740 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 2 years.

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HEALTH AND SAFETY

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 740** is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

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.

® = Registered trademark of the MBCC Group in many countries.

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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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