

MasterCast[®] 726

New generation of polycarboxylic ether-based plasticizer for Manufactured Concrete Products, specially engineered for use in production hollow-core slabs, masonry and paving blocks.

DESCRIPTION

MasterCast 726 is an innovative multi-purpose plasticizer based polycarboxylic ether polymers specially developed for semi-dry concrete mixes. The product is suitable for the production of hollow-core slabs, masonry and paving blocks. At the same time, **MasterCast 726** accelerates the strength development and reduces the cycle time whilst the appearance is maintained or even improved.

Due to its unique principle of action on the cement grain, **MasterCast 726** fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times.

TYPICAL APPLICATIONS

MasterCast 726 is suitable for Manufacturing Concrete Products, especially:

- Pavers
- Blocks
- Hollow-core slabs

ADVANTAGES

MasterCast 726 offers the following benefits for the MCP industry to:

- Optimised mix design
- Enhanced productivity due to shorter cycle time
- Higher early strength
- Optimised curing cycles due to shorter curing times

PACKAGING

MasterCast 726 is available in 210 L drums or bulk.

STANDARDS

EN 934-2 Table 3.1 and 3.2

TYPICAL PROPERTIES*

Appearance	Whitish to light brownish coloured liquid.
Specific gravity @ 25°C	1.015 – 1.055
pH-value	4.0 to 7.0

APPLICATION GUIDELINES

MasterCast 726 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 0.4 - 1.2 L/100kg of cementitious material.

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

MIXING

MasterCast 726 is compatible and recommended for use with:

- **MasterCast WP 240**, efflorescence controller apart from water proofing and water repelling when sprayed
- **MasterCast 3936**, water repellent and stain resistant when sprayed

Note: MasterCast 726 is not compatible with **MasterCast 764** or **MasterRheobuild** superplasticizers.

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STORAGE AND SHELF LIFE

MasterCast 726 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.

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 726** 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

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