

# MasterCast<sup>®</sup> 726

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

## MATERIAL DESCRIPTION

**MasterCast 726** is an innovative multipurpose 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.

## ADVANTAGES

**MasterCast 726** is suitable for manufacturing concrete products, especially:

- Pavers
- Blocks
- Hollow-core Slabs

## FEATURES AND BENEFITS

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

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

## APPLICATION PROCEDURE

**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 consistency or workability.

## DOSAGE

The normally recommended dosage rate is 0.4 to 1.2 litres per 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.

## PACKAGING

**MasterCast 726** is available in 20L & 1000 litre IBCs.

## TYPICAL PROPERTIES

Properties listed are for guidance and are not a guarantee of performance.

Appearance	Whitish to light brownish coloured liquid
Specific gravity @25°C	1.020 -1.040
pH value	5.0 – 7.0

## COMPATIBILITY

**MasterCast 726** is not compatible with MasterRheobuild superplasticizers.

## STORAGE

**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 1 year.

## SHELF LIFE

Up to 12 months if stored in unopened containers according to manufacturer's instructions.

## SAFETY PRECAUTIONS

Avoid contact with eyes and prolonged contact with skin. During application, always wear gloves and appropriate clothing to minimise contact. In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Should skin contact occur, wash immediately with soap and water. Seek the advice of a physician should symptoms persist.

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

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## NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local MBS representative.

MBS reserves the right to have the true cause of any difficulty determined by accepted test methods.

\* Properties listed are based on laboratory controlled tests.

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

## QUALITY AND RESPONSIBLE CARE

All products originating from MB Construction Chemicals Solutions are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, environmental and occupational health and safety standards.

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## DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions Kenya Ltd 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.