

# MasterCast<sup>®</sup> 763P

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 763P** 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 763P** 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 763P** fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times.

## TYPICAL APPLICATIONS

**MasterCast 763P** is suitable for Manufacturing Concrete Products, especially:

- Pavers
- Blocks
- Hollow-core slabs

## ADVANTAGES

**MasterCast 763P** 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 763P** 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	1.07
pH-value	5 - 7

## APPLICATION GUIDELINES

**MasterCast 763P** 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 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.

## MIXING

**MasterCast 763P** is compatible and recommended for use with **MasterCast WP 793**, water repellent, to reduce water absorption (e.g. EN 1338, class 2 B)

**MasterCast 763P** is suitable for mixes containing:

- Microsilica (Silica Fume)
- Fly Ash (PFA)
- GGBS (ground granulated blast furnace slag)

**Note: MasterCast 763P** is not compatible with **MasterCast 764** or **MasterRheobuild** superplasticizers.

## STORAGE AND SHELF LIFE

**MasterCast 763P** should be stored out of direct sunlight and protected from extremes of temperature. The shelf life is 12 months when stored as above.

The occurrence of a surface layer with **MasterCast 763P** is normal and will have no effect on the performance of the product.

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## HEALTH AND SAFETY

**MasterCast 763P** contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

## 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.

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**Master Builders Solutions**  
**Construction Chemicals LLC**  
P.O. Box 37127, Dubai, UAE  
Tel: +971 4 8090800  
[www.master-builders-solutions.com/en-ae](http://www.master-builders-solutions.com/en-ae)

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