

# MasterCast<sup>®</sup> 740

(RheoFIT 740)

## Admixture for Manufactured Concrete Products from Semi-Dry Concrete.

### DESCRIPTION

MasterCast 740 is specially engineered for production of small-piece concrete products (pavers, kerb stones, trays etc) from semi-dry concrete.

### FIT 4 VALUE

MasterCast<sup>®</sup> 740 is a key component to 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.

### ADVANTAGES

- Optimized mix design;
- Improved early and final strength;
- Increases compressive strength, being an important factor for semi-dry concrete mixes;
- Higher productivity due to higher production speed;
- Sharp edges and close lateral surfaces with minimum vibration;
- Improved freeze-thaw resistance;
- No impact on product coloring;

### APPLICATION

Adding to dry mix is prohibited! Admixture should be introduced either with mixing water (preferably with the last third of water). The best results are obtained when the admixture is added to the concrete mix upon introduction of all mixing water. In any case sufficient mixing time should be ensured upon adding the admixture.

### DOSAGE

Recommended dosage rate is 0.1-0.5% of cement mass. Exact quantity of admixture

should be determined in laboratory by performing trial batches.

### COMPATIBILITY

MasterCast 740 is compatible with all types of cements and pigments. When using other admixture they should be tested for their compatibility with MasterCast 740.

| Characteristics  | Value            |
|--|------------------|
| Appearance   | Colorless liquid |
| Specific gravity at 20 <sup>o</sup> C, kg/m <sup>3</sup> | 990 – 1,010      |
| pH   | 7-9              |
| CL-ion content, %wt., not more than                      | 0.1              |

### PACKAGING

MasterCast 740 is available in 25 kg, cans, in 220 kg drums and in 1,000 kg containers.

### SHELF LIFE

The minimum shelf life of the material in closed factory package is 12 months. It should be stored in conformity with manufacturer's instructions.

### STORAGE CONDITIONS

The product should be stored at a temperature no lower than +5°C. Avoid direct sunlight, protect against high temperatures. Non-compliance with recommended storage conditions may result in modification of product characteristics.



We create chemistry

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### SAFETY MEASURES AND TRANSPORTATION

It is recommended to use protection gloves and glasses. Wash with water upon skin contact. Avoid contact with mucosae, upon such contact wash with large amount of water. MasterCast 740 is a non-flammable and non-toxic product; therefore, there are no special recommendations for transportation.

### Product is certified

Manufacturing conditions and specifics of use of our products are different for each case. We are able to provide only general instructions for use. These instructions are in line are based on our present knowledge and experience. Consumer is solely responsible for non-compliant use of the product. Specialists of BASF Construction Systems OOO should be contacted for additional information and recommendations.

Represented information is based on our current experience. In case of various factors affecting the result, information does not mean legal responsibility. For additional information, please contact your local advisor.

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