

MasterCast® 727

(RheoFIT 727)

Admixture for Manufactured Concrete Products from Semi-Dry Concrete with Hydrophobic Effect and Reduction of Efflorescence.

DESCRIPTION

MasterCast 727 is a highly-efficient product with low viscosity and high level of impregnation in concrete and also plasticizing effect for production of items from earth-dry concrete (pavers, kerb stones, trays etc), including colored ones, where minimum water absorption is needed and efflorescence should be reduced.

FIT 4 VALUE

MasterCast® 727 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;

- Substantially decreases efflorescence on product surfaces;

- Hydrophobic effect for product surfaces;

- No odour, no toxic effect.

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.

Items should be protected against rain and water during 24-36 hours after formation, so that MasterCast 727 had enough time to cause maximum hydrophobic effect to the product. It is allowed to use heat treatment in order to shorten time of strength gain, but it is not recommended to use direct steam.

DOSAGE

Recommended dosage rate is 0.5-2% of cement mass. Exact quantity of admixture should be determined in laboratory by performing trial batches.

COMPATIBILITY

MasterCast 727 is compatible with all types of cements and pigments. When using other admixture they should be tested for their compatibility with MasterCast 727.

Characteristics	Value
Appearance	White emulsion
Specific gravity at 20°C, kg/m ³	0.997

PACKAGING

MasterCast 727 is available in 10 kg cans and 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.



We create chemistry

MasterCast[®] 727

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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.

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 727 is a non-flammable and non-toxic product; therefore, there are no special recommendations for transportation.

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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