

MasterGlenium[®] 51

(Glenium 51)

High-Range Water-Reducing / Super Plasticizing Admixture Based on Polycarboxylic Ether for Concrete and Reinforced Concrete Products and Structures.

DESCRIPTION

MasterGlenium 51 is a universal superplasticiser and can be used both for production of ready concrete mix and for pre-cast concrete and reinforced concrete products. The admixture may be used for production of concrete mixes designed for manufacturing of pre-stressed constructions. It is used for producing concrete mixtures with high flowability and self-compaction. It may be also used for production of decorative concrete items and elements using vibratory casting.

ADVANTAGES

- Flowable concrete mixtures with low water/cement ratio, thus decreasing cement consumption;
- Efficient in combination with all types of cement;
- Allows reduction of vibration treatment of concrete mixture upon production of items, temperature and/or TBO time thus ensuring energy consumption for the process and also lower noise and vibration effect;
- Can be used for production of concrete mixtures designed for pre-stressed structures;
- High quality of surface finish;

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 0.2-2.0% of

cement mass. Exact quantity of admixture should be determined in laboratory by performing trial batches.

COMPATIBILITY

MasterGlenium 51 is compatible with air-entraining admixtures of MasterAir line, viscosity modifiers MasterMatrix 100, water-based micro silica suspension MasterLife 500 S. It can be used in combination with curing accelerator Master X-SEED 100. It is not recommended to use it in combination with naphthalene-based superplasticizers, as it results in lower plasticizing effect and greater dosage of admixture. When using other admixture they should be tested for their compatibility with MasterGlenium 51.

Characteristics	Value
Appearance	Liquid of brown color
Specific gravity at 20 ^o C, g/cm ³	1,07-1,11
pH	5-7
CL-ion content, %wt., not more than	0.1

PACKAGING

MasterGlenium 51 is available in 25 kg cans, 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.



We create chemistry

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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. MasterGlenium 51 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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