

MasterGlenium® 101

(Glenium 101)

High-Range Water-Reducing / Super Plasticizing Admixture Based on Polycarboxylic Ether.

DESCRIPTION

The admixture can be used both for production of ready concrete mix and for pre-cast concrete. It is efficient in mixes of any flowability class. It is perfectly suitable for production of high-strength concrete.

ADVANTAGES

- High early and final strength;
- Recommended for production of highly-flowable mixes;
- High water-reducing capacity;
- Production of higher-strength concrete with lower cement consumption;
- Suitable for mixes used for production of concrete mixes designed for prestressed structures;
- Improves concrete surface finish;
- Improves physical properties (increases specific gravity and decreases permeability) and thus the durability of concrete;
- Reducing steam curing time;
- Less vibration or intensity of vibration required or possibility to eliminate vibration.

APPLICATION

Adding to dry mix is prohibited! Admixture should be introduced 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 0.4-2.0% of cement mass. Exact quantity of admixture should be determined in laboratory by performing trial batches.

COMPATIBILITY

MasterGlenium 101 is compatible with air-entraining admixtures of MasterAir line, viscosity modifiers MasterMatrix 100, water-based micro silica suspension MasterLife 500 S and plasticizers of MasterPozzolith series. 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 101.

Characteristics	Value
Appearance	Liquid of brown color
Specific gravity at 20°C, kg/m ³	1,030—1,070
pH	4-6
CL-ion content, %wt., not more than	0.1

PACKAGING

MasterGlenium 101 is available in 25 kg cans, 220 kg drums and in 1,000 kg containers and in Bulk.

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. If frozen, the admixture should be de-frosted at +20°C and extensively mixed to initial consistency. Avoid direct



We create chemistry

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sunlight, protect against high temperatures. Non-compliance with recommended storage conditions may result in modification of product characteristics.

SAFETY MEASURES AND TRANSPORTATION

There are no special requirements for the product handling. It is recommended to use protection gloves. Wash with water upon skin contact. Avoid contact with mucosae, upon such contact wash with large amount of water. MasterGlenium 101 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 Stroitelnye Sistemy" 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.

Limited company "BASF Stroitelnye Sistemy"

Office in Moscow: +7 495 225 6436

Office in St. Petersburg: +7 812 332 0412

Office in Kazan: +7 843 212 5506

Office in Krasnodar: +7 861 202 22 99

Office in Minsk: +375 17 202 2471

Office in Kiev BASF T.O.V.: +380 44 5915595

Office in Novosibirsk: +7 913 068 3867

E-mail: stroysist@basf.com www.master-builders-solutions.basf.ru

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