

MasterGlenium® SKY 591

(Glenium SKY 591)

High-Range Water-Reducing / Super Plasticizing Admixture based on Polycarboxylic Ether for Ready-Mix Concrete Production.

DESCRIPTION

MasterGlenium SKY 591 is used for manufacturing of ready mix-concrete with high flowability and self-compaction, good slump retention, with high early and final strength. It is used for preparing concrete mixes for pre-stressed structures. It can be used for production of prefabricated concrete structures and light concretes.

ADVANTAGES

- Powerful water reducing capacity;
- High early and final strength with maintained flowability;
- Effectively compatible with all cement types;
- High quality of concrete surface finish;
- Less vibration is required in terms of time and intensity or possibility to eliminate vibration;
- Contains components enabling air-entraining ($V_a = 3-6\%$). Entrained air produced closed porous system (80% of pores have 100-300 μm), thus allowing obtaining concretes of high classes in terms of freeze-thaw resistance and waterproof.

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 0.2-2.0% of cement mass. Exact quantity of admixture should be determined in laboratory by performing trial batches.

COMPATIBILITY

MasterGlenium SKY 591 is compatible with air-entraining admixtures of MasterAir series, viscosity modifiers MasterMatrix 100, water-based micro silica suspension MasterLife 500 S and superplasticizers admixtures of MasterPozzolith series. It is possible to use it 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 SKY 591.

Characteristics	Value
Appearance	Homogenous liquid of brown color
Specific gravity, kg/m^3	1,040-1,080
pH	5-8
CL-ion content, %wt., not more than	0.1

PACKAGING

MasterGlenium SKY 591 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 $+5^\circ\text{C}$. Avoid direct sunlight,



We create chemistry

MasterGlenium® SKY 591

(Glenium SKY 591)

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 SKY 591 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.

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

© = Certified trademark BASF-Group in many countries.