

MasterGlenium® SKY 8108

High range water reducing admixture

DESCRIPTION

MasterGlenium SKY 8108 is a ready-to-use, high range water-reducing agent designed to produce high slump concrete. This is a ready to use chloride free liquid admixture and meets ASTM C494 requirements for type F, and AS1478 requirements for High Range Water Reducing Admixtures.

MasterGlenium SKY 8108 is not compatible with naphthalene sulphonate based superplasticizers.

FEATURES AND BENEFITS

MasterGlenium SKY 8108 improve the properties of fresh and hardened concrete, providing:

- “superplasticising” effect for high slump retention
- dramatic reduction in water requirement at equal slump
- improved workability at equal water content compared to a non-treated mix
- reduced permeability
- increased durability increased compressive, flexural and bond strengths of concrete to steel
- increase strength and early ages
- low shrinkage

FIELDS OF APPLICATION

- Precast concrete
- All types of concrete mixes in which high early strength or high strength and very high flowability are essential
- ready-mixed concrete
- Pumped concrete
- Hot weather concreting used with all cements and air-entraining admixtures approved under ASTM and AASHTO and CRD specifications

PROPERTIES

Supply form	: Liquid
Colour	: Light Brown

COMPATIBILITY

MasterGlenium SKY 8108 is compatible with water reducers and air entraining agents approved under ASTM specifications but it should be dispensed separately into the concrete mix.

APPLICATION

Use **MasterGlenium SKY 8108** as supplied after thorough stirring, without any dilution.

Dispensing

The addition of **MasterGlenium SKY 8108** to a dry mix is not recommended.

MasterGlenium SKY 8108 can be dosed either at the batching plant or at the placing site.

At the batching plant, introduce **MasterGlenium SKY 8108** at the specified dosage directly into the mixer through a dispenser along with mixing water, when the concrete is thoroughly wetted (i.e. after adding at least 75% of the mixing water) and mix for at least 3 minutes.

If added at the placing site, mix for at least 3 minutes after the addition.

DOSAGE

MasterGlenium SKY 8108 is normally used at a rate of 0.5 – 2.0 litres per 100 kg of cementitious. Other dosages may also be used depending on the mix design of the concrete and ambient conditions. The actual dosage depends on the degree of water reduction or flow required.

RATE OF HARDENING

Setting time is influenced by the chemical and physical composition of the basic ingredients of the concrete, temperature of the concrete and climatic condition. Trial mixes should be made with job materials to determine the optimum dosage required for a specified setting time and a given strength requirement.

PACKAGING

MasterGlenium SKY 8108 is supplied in 205 litres sealed drums, IBC 1,000 L, and bulk delivery.

STORAGE

MasterGlenium SKY 8108 must be stored at temperatures above 0°C in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.



We create chemistry

MasterGlenium® SKY 8108

SHELF LIFE

MasterGlenium SKY 8108 can be stored for 12 months if stored as recommended in unopened original packing.

PRECAUTIONS

Health : **MasterGlenium SKY 8108** does not contain any hazardous substances requiring labelling.

It is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

For additional information on **MasterGlenium SKY 8108** and its use in developing a concrete mix with special performance characteristics, contact your local Master Builders Solutions representatives.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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