

# MasterGlenium<sup>®</sup> SKY 8108

## High range water reducing admixture

### MATERIAL 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.

### SHELF LIFE

**MasterGlenium SKY 8108** can be stored for 12 months if stored as recommended in unopened original packaging in dry climates.

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## 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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