

# MasterGlenium SKY 8211

High Performance Superplasticising

## DESCRIPTION

**MasterGlenium SKY 8211** is a new generation superplasticiser for concrete. It contains polycarboxylate ether polymers and is specially formulated to give exceptionally high water reduction and significantly reduced slump loss.

**MasterGlenium SKY 8211** fully meets the requirements of BS5075 for high range water reducing admixtures and JIS A6204 "Chemical Admixtures for Concrete". It is compatible with all Portland cements that meet recognised international standards.

## RECOMMENDED USES

- concrete with less water content than with conventional admixtures
- faster mixing logistics during large jobs
- high flowability concrete
- highly durable concrete
- high strength concrete
- ready-mixed concrete
- mass concrete
- long distance transport
- pumped concrete
- hot weather concreting
- self compacting concrete

## FEATURES AND BENEFITS

<b>High water reduction</b>	High effective dispersion of cement. Low permeability, high durability concrete.
<b>High flowability</b>	Ease of placing and compaction. No segregation.
<b>Superior slump retention</b>	No retempering. Ease of delivery to point of placement.
<b>Low shrinkage and creep</b>	Improves dimensional stability. Reduces risk of cracks.
<b>Good cohesion</b>	Ease of pumping. No bleeding.
<b>Good workability</b>	Excellent surface appearance. Self-compacting concrete.
<b>Minimal bleed water</b>	Excellent concrete quality. Significantly less than BNS based products.

## PROPERTIES

Supply form	: Liquid
Colour	: Reddish Brown
Specific Gravity	: 1.05 - 1.08
Alkali content	: 0.7% ( typical ion content by analysis)
Chloride content	< 0.01% ( typical ion content by analysis)

## COMPATIBILITY

Do not use another water reducing and/or superplasticisers in the mix with **MasterGlenium SKY 8211**. **MasterGlenium SKY 8211** is compatible with selected BASF air-entraining agents. Consult your local BASF representatives for advice.

## DOSAGE

Dosage of **MasterGlenium SKY 8211** depends on the mix design, ambient conditions and degree of water reduction and workability required. **MasterGlenium SKY 8211** is dispensed at a rate of 0.5 – 3 L per 100 kg of cementitious material. Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.

## APPLICATION

### Dispensing

**MasterGlenium SKY 8211** can be added into the mixing water or can be added to the wet concrete after the mixing water has been added. The addition of **MasterGlenium SKY 8211** to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

## PACKAGING

**MasterGlenium SKY 8211** is available in 205L drums or bulk delivery.

## STORAGE

**MasterGlenium SKY 8211** must be stored at temperatures above 0°C. If found to be frozen, thaw it and completely reconstitute by mechanical agitation. Do not use pressure air for agitation. Other Admixture, rain water or any contamination must not penetrate into the container of **MasterGlenium SKY 8211** during storage.



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## SHELF LIFE

**MasterGlenium SKY 8211** can be stored for 12 months if stored at temperatures above 0°C, in tightly sealed original drums.

## PRECAUTIONS

### Health :

**MasterGlenium SKY 8211** does not contain any hazardous substances requiring labeling.

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

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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### MasterGlenium SKY 8211/ 11-13

#### STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this BASF Construction Chemicals 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 Construction Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF Construction Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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