

MasterGlenium[®] SKY 8808

High Performance Superplasticiser

DESCRIPTION

MasterGlenium SKY 8808 is a ready-to-use liquid superplasticiser that extremely improves the superb water-reducing performance when comparing with superplasticisers based on existing Polycarboxylic systems. **MasterGlenium SKY 8808** can produce ultra high strength concrete of extremely low water-binder ratios of 0.2 or less at short mixing times. **MasterGlenium SKY 8808** provides low adhesion (i.e. low viscosity) with good workability and flow characteristics in fresh concrete and as a result, the concrete can be easily placed.

MasterGlenium SKY 8808 is known as MasterRheobuild SP8HU in Japan.

RECOMMENDED USES

MasterGlenium SKY 8808 is suitable for any concrete structure, which requires ultra high strength of more than 80 N/mm².

FEATURES AND BENEFITS

- Excellent workability and flowability in concrete at water-binder ratios of 0.2 or less.
- Shortens the required mixing period of time
- Reduces adhesion (i.e. viscosity) of freshly mixed concrete with low water and high fine powder content.
- Provides excellent strength development of hardened concrete at early ages due to minimised retardation.
- Excellent compatibility with SCM (Supplementary Cementitious Materials)

FEATURES AND BENEFITS

Compressive strength	7 days : 72 N/mm ²
	28 days : 109 N/mm ²
Concrete slump flow before placement	: 700 mm

Note: Subject to trials as the properties of materials can concrete constituents can vary.

APPLICATION

Dispensing

MasterGlenium SKY 8808 should be added separately to the initial batching water to ensure complete distribution throughout the mix. Use only potable water. Do not use sea water, bore water or water containing a high dissolved mineral of content, for mixing concrete.

When **MasterGlenium SKY 8808** is used, no other chemical admixture should be used at the same time without consulting your local Master Builders Solutions representative.

DOSAGE

The optimum dosage for **MasterGlenium SKY 8808** to meet a specific requirement should always be determined by trial mixes using the materials and conditions that had been clearly defined and tested during mix trials.

The dosage range is within 1.0% to 5.0% by weight of cementitious material (i.e. binder). The standard recommended dosage of **Master Glenium SKY 8808** is 1.5% by weight of binder. Other dosages may also be used depending on the specific requirements.

MasterGlenium SKY 8808 can be stored for 12 months if stored at a temperature above 0°C and in tightly sealed original containers. If frozen, thaw it and completely reconstitute by mild agitation. Do not use compressed air.

CURING

Like all cementitious products, concrete made with **MasterGlenium SKY 8808** must be protected against rapid drying due to high temperature and/or strong wind.

The use of web burlap, plastic sheets or a curing compound is highly recommended.

PACKAGING

MasterGlenium SKY 8808 is available in bulk and 205L drums.

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SHELF LIFE

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PRECAUTIONS

Health: MasterGlenium SKY 8808 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 detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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SG#MasterGlenium SKY 8808 v2-03. 2021

STATEMENT OF RESPONSIBILITY

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

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