BASF

The Chemical Company

GLENIUM® 8008

High Performance Superplasticiser

DESCRIPTION

GLENIUM 8008 is a ready-to-use liquid superplasticiser that extremely improves the superb water-reducing performance when comparing with superplasticisers based on existing Polycarboxylic systems. **GLENIUM 8008** can produce ultra high strength concrete of extremely low water-binder ratios of 0.2 or less at short mixing times. **GLENIUM 8008** 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.

GLENIUM 8008 is known as Rheobuild SP8HU in Japan.

FIELDS OF APPLICATION

- **GLENIUM 8008** is suitable for any concrete structure, which requires ultra high strength of more than 80 N/mm^2

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)

TYPICAL PERFORMANCE DATA

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

GLENIUM 8008 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 **GLENIUM 8008** is used, no other chemical admixture should be used at the same time without consulting your local BASF Construction Chemicals representative.

DOSAGE

The optimum dosage for **GLENIUM 8008** 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 **GLENIUM 8008** is 1.5% by weight of binder. Other dosages may also be used depending on the specific requirements.

CURING

Like all cementitious products, concrete made with **GLENIUM 8008** must be protected against rapid drying due to high temperature and/or strong wind.

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

PACKAGING

GLENIUM 8008 is available in bulk or 200 L drums.

SHELF LIFE

GLENIUM 8008 can be stored in tightly sealed original containers, away from direct sunlight, for 12 months if stored at cool temperature above 0^oC.

PRECAUTIONS

For detailed Health, Safety and Environmental recommendations, please consult and follow all instructions in the product Material Safety Data Sheet

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