

MasterGlenium[®] ACE 8555

High-range superplasticiser for precast manufacturing

DESCRIPTION

MasterGlenium ACE 8555 is an innovative polycarboxylic ether (PCE) based superplasticiser ideally suited for precast industry. Due to a specifically tailored formulation, this admixture shows excellent dispersion of cement at low water binder ratio. As a result, **MasterGlenium ACE 8555** provides exceptional good early strength development and maintains workability for a considerable period of time.

The formerly unrivalled combination of early strength and final strength development allows **MasterGlenium ACE 8555** to be considered ideally for precast application under difficult condition.

It is formulated to comply with ASTM C494 for Type F admixtures and BS-EN 934-2:2001.

Compatibility

MasterGlenium ACE 8555 is compatible and recommended for use with:

- Viscosity Modifying Agents to produce SCC.
- MasterAir, air entraining admixture, to improve freeze-thaw resistance.

MasterGlenium ACE 8555 is not compatible with the MasterRheobuild superplasticisers.

FEATURES AND BENEFITS

MasterGlenium ACE 8555 offers the following benefits for the precast concrete industry:

- High impermeability and strength
- Improved and excellent durability
- Very high workability
- No segregation even at high workability
- Excellent concrete quality
- Produce Rheoplastic and Self Consolidating Concrete with a low w/c ratio
- Optimize curing cycle by shortening curing time or decreasing curing temperature
- Eliminate heat curing
- Eliminate energy required for placing, consolidation and heat curing
- Increase productivity

- Improve surface appearance
- Produce durable precast concrete elements
- Increase the use of Secondary Cementitious Materials as Binders
- As compared to the traditional superplasticisers, improve engineering properties such as early and ultimate compressive and flexural strengths.

APPLICATION

MasterGlenium ACE 8555 is a liquid admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80% of the total water.

DOSAGE

The normally recommended dosage rate of **MasterGlenium ACE 8555** is 0.5 to 1.3 litres per 100 kg of binder. Other dosages may be used in special cases according to specific job site conditions. In this case, please consult our BASF Construction Chemicals representative.

PACKAGING

MasterGlenium ACE 8555 is available in bulk and 1000L IBC.

SHELF LIFE

MasterGlenium ACE 8555 must be stored in a place where the temperature is not below 5°C.

PRECAUTIONS

Health: MasterGlenium ACE 8555 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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STATEMENT OF RESPONSIBILITY

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

Master Builders Solutions Malaysia Sdn Bhd

No. 8, Jalan Keluli 2, Kawasan Perindustrian Bukit Raja,
41050 Klang, Selangor, Malaysia.

Tel : +603 3082 1000

www.master-builders-solutions.com/en-asiapacific