

MasterGlenium ACE[®] 8560 LW

New generation superplasticizing admixture for lightweight concrete

DESCRIPTION

MasterGlenium ACE 8560 LW is an innovative polycarboxylic ether (PCE) based superplasticiser specially developed and formulated for producing lightweight concrete of density less than 2200kg/m³. **MasterGlenium ACE 8560 LW** is specifically tailored for excellent dispersion of cement and workability retention at normal to low water binder ratio.

MasterGlenium ACE 8560 LW accelerates cement hydration by allowing an increased surface area of cement particles to react with water. As a result, it is possible to achieve rapid development of hydration products thus higher strength at early age. The polymer structure of **MasterGlenium ACE 8560 LW** is specially designed to improve the rheology of lightweight concrete, making it flowable at low viscosity, even at low water cement ratio.

MasterGlenium ACE 8560 LW is specially formulated for use with lightweight aggregates to achieve required concrete density and strength class. **MasterGlenium ACE 8560 LW** enables a homogenous mixture which keep the lightweight aggregates from separating from the cement paste mixture.

MasterGlenium ACE 8560 LW is free of chloride and is compatible with all cements meeting recognised international standards.

FEATURES AND BENEFITS

MasterGlenium ACE 8560 LW offers the following benefits for lightweight concrete producers:

- Improved and excellent durability
- Superior workability
- Reduced segregation & bleeding
- Excellent concrete quality
- Produce Rheoplastic and Self Consolidating Concrete
- Increased productivity
- Eliminate energy required for placing, consolidation and curing.
- Ease of use
- Superior cohesion
- Applicable for “Structural Lightweight Concrete”

APPLICATION

MasterGlenium ACE 8560 LW is suitable for making lightweight concrete with highly workable, non-segregating concrete utilizing low water cement ratios and, consequently, high early and final strengths. It is highly recommended that **MasterGlenium ACE 8560 LW** to be used in combination with **MasterMatrix VMA362** for producing advanced self-compacting concrete. This will result in minimal or no compaction, faster placing thus, achieving economic, ecological and ergonomic concrete production.

MasterGlenium ACE 8560 LW is a liquid admixture to be added to the concrete during the mixing process. 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

Dosage of **MasterGlenium ACE 8560 LW** depends on mix design, ambient temperature conditions and degree of water reduction and workability required. The recommended dosage rate is 0.5 to 2.5 litres per 100 kg of binder. 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.

Please consult our Master Builders Solutions representative

PACKAGING

MasterGlenium ACE 8560 LW is available in bulk and 205L drums.

SHELF LIFE

MasterGlenium ACE 8560 LW must be stored in a place where the temperature is not below 5°C.

PRECAUTIONS

Health: **MasterGlenium ACE 8560 LW** 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.

MasterGlenium ACE[®] 8560 LW

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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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