

MasterGlenium® SKY909

Workability-Retaining Admixture

DESCRIPTION OF PRODUCT

MasterGlenium SKY 909 admixture is a revolutionary new technology based on significant advances in admixture chemistry.

MasterGlenium SKY 909 admixture is used as part of an admixture system to provide customized admixture solutions for a wide range of concrete applications.

MasterGlenium SKY 909 admixture is a workability-retaining admixture that provides flexible degrees of slump retention without retardation.

MasterGlenium SKY 909 admixture provides the concrete producer with the ability to immediately create the optimal admixture system for changing and fluctuating regional raw materials, environmental conditions and project requirements. **MasterGlenium SKY 909** admixture gives the concrete producer the ability to consistently produce and deliver quality concrete mixtures.

MasterGlenium SKY 909 admixture meets the interim requirements of ASTM C 494/C 494M Type S, Specific Performance, admixtures.

FIELDS OF APPLICATION

MasterGlenium SKY 909 is recommended for use in:

Concrete with varying slump requirements

Concrete mixtures utilizing supplementary cementitious materials

Concrete where high flowability, increased stability and durability are needed

Ready-mixed and precast concrete

Production of self-consolidating concrete in (SCC) mixtures.

FEATURES

Workability retention without retardation Flexible

levels of workability retention by adjusting dosage

Improved early- and late-age compressive Strengths

BENEFITS

MasterGlenium SKY 909 offers the following benefits:

- Promotes greater consistency of concrete workability at the jobsite
- Promotes consistency in compressive strengths via minimized jobsite addition of water
- Minimizes re-dosing of high-range water-reducing admixture at the job site
- Consistent air-entrainment
- Fewer rejected loads and better customer satisfaction due to consistent quality of concrete
- Faster truck turn-around time
- Expanded concrete delivery range

GUIDELINES FOR USE

DOSAGE:

MasterGlenium SKY 909 admixture has a recommended dosage range of 3-12 fl oz/cwt (195-750 mL/100 kg) of cementitious materials.

MIXING:

MasterGlenium SKY 909 admixture can be added with the initial batch water or as a delayed addition.

PRODUCT NOTES

Corrosivity – Non-Chloride, Non-Corrosive:

MasterGlenium SKY 909 admixture will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressing steel or of galvanized steel floor and roof systems.

Neither calcium chloride nor other chloride-based ingredients are used in the manufacture of

MasterGlenium SKY 909

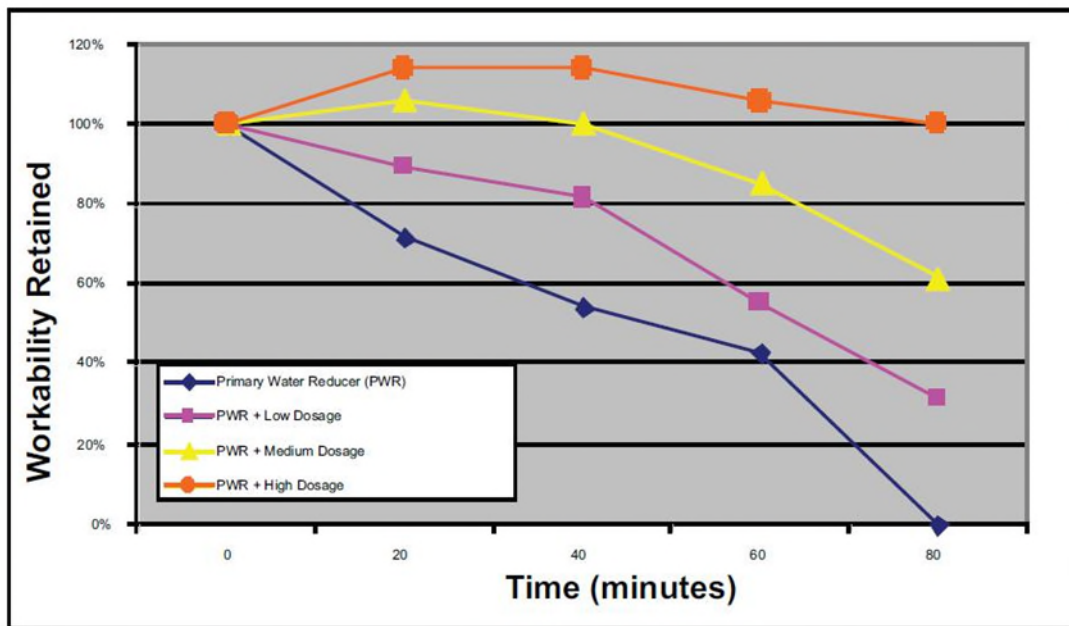
COMPATIBILITY:

MasterGlenium SKY 909 admixture is compatible with most admixtures used in the production of quality concrete, including normal, mid-range and high-range water-reducing admixtures, air-entrainers, accelerators, retarders, extended set control admixtures, corrosion inhibitors, and shrinkage reducers

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PERFORMANCE CHARACTERISTICS

The data in the following graph represents the dramatic performance achievable through the use **MasterGlenium SKY 909** admixture. Represented in the graph are four mixtures. The first mixture utilized a primary water reducer without **MasterGlenium SKY 909** admixture. The three remaining mixtures utilized the same primary water reducer with a low, medium and high dosage of the **MasterGlenium SKY 909** admixture. These mixtures had concrete temperatures of 90 F (32 C) and contained 600 lb/yd³ (356 kg/m³) of cement with a w/c of 0.40.



Do not use MasterGlenium SKY 909 admixture with admixtures containing beta-naphthalene sulfonate. Erratic behaviors in slump, workability retention and pumpability may be experienced.

MasterGlenium SKY 909 admixture has only been tested with admixtures manufactured by Master Builders Solutions Construction Chemicals. As a result, use of **MasterGlenium SKY 909** admixture with non-Master Builders Solutions admixtures may produce unpredictable results. Master Builders Solutions denies any warranty expressed or implied with respect to any application using a non-Master Builders Solutions admixture in connection with the use of **MasterGlenium SKY 909** admixture.

Storage and Handling

Storage Temperature:

MasterGlenium SKY 909 admixture must be stored at temperatures above 40 °F (5 °C). If **MasterGlenium SKY 909** admixture freezes, thaw and reconstitute by mechanical agitation. **Do not use pressurized air for agitation.**

SHELF LIFE:

MasterGlenium SKY 909 admixture has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated.

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PACKAGING

MasterGlenium SKY 909 admixture is supplied in 210 litres drums, 1000 litres totes and by bulk delivery.

RELATED DOCUMENTS

Material Safety Data Sheets: **MasterGlenium SKY 909** admixture.

ADDITIONAL INFORMATION

For additional information on **MasterGlenium SKY 909** admixtures or on its use in developing concrete mixtures with special performance characteristics, contact your local sales representative

QUALITY STATEMENT

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015,

ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

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