

03 30 00	Cast-in-Place Concrete
03 40 00	Precast Concrete
03 70 00	Mass Concrete

MasterGlenium[®] 7511

Full-Range Water-Reducing Admixture

Description

MasterGlenium 7511 admixture is a ready-to-use high-range water-reducing admixture based on the next generation of polycarboxylate technology. MasterGlenium 7511 admixture is very effective in producing concrete mixtures with different levels of workability including applications that require self-consolidating concrete (SCC). MasterGlenium 7511 admixture is designed to meet ASTM C 494/ C 494M requirements for Type A, water-reducing, and Type F, high-range water-reducing, admixtures.

Applications

Recommended for use in:

- Concrete with varying water reduction requirements (5-40%)
- Concrete where control of workability and setting time is critical
- Concrete where high flowability, high early and ultimate strengths, increased stability and improved durability are needed
- Producing self-consolidating concrete (SCC)
- Strength-on-demand concrete, such as 4x4[™] Concrete

Features

This technology combines state-of-the-art molecular engineering with a precise understanding of regional raw materials to provide specific and exceptional value to all phases of the concrete construction process.

- Consistent air entrainment
- Dosage flexibility

Benefits

- Less QC support for all fresh concrete properties
- Fewer rejected loads
- Optimized concrete mixture costs

Guidelines for Use

Dosage: MasterGlenium 7511 admixture has a recommended dosage range of 3-15 fl oz/cwt (195-975 mL/100 kg) of cementitious materials. For most applications, dosages in the range of 5-8 fl oz/cwt (325-520 mL/100 kg) will provide excellent performance. For high-performance and self-consolidating concrete mixtures, up to 15 fl oz/cwt (975 mL/100 kg) of cementitious materials can be utilized. Because of variations in concrete materials, job site conditions and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local sales representative.

Mixing: MasterGlenium 7511 admixture can be added with the initial batch water or as a delayed addition. Optimum water reduction is generally obtained with a delayed addition.

Product Notes

Corrosivity – Non-chloride, Non-Corrosive: MasterGlenium 7511 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 7511 admixture.

Compatibility: MasterGlenium 7511 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.

Do not use MasterGlenium 7511 admixture with admixtures containing beta-naphthalene sulfonate. Erratic behaviors in slump, workability retention and pumpability may be experienced.

Storage and Handling

Storage Temperature: MasterGlenium 7511 admixture must be stored at temperatures above 40 °F (5 °C), and below 100 °F (38 °C). If MasterGlenium 7511 admixture freezes, thaw and reconstitute by mechanical agitation. **Do not use pressurized air for agitation.**

Shelf Life: MasterGlenium 7511 admixture has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of MasterGlenium 7511 admixture has been exceeded.

Packaging

MasterGlenium 7511 admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Safety Data Sheets: MasterGlenium 7511 admixture

Additional Information

For additional information on MasterGlenium 7511 admixture or on its use in developing concrete mixtures with special performance characteristics, contact your local sales representative.

Master Builders Solutions creates technologies for the construction industry inspiring people to build better. We are active in ~40 countries and operate 35 production sites with over 1,600 employees. We develop, produce, and market high-quality chemical admixtures, as well as adjacent core technologies, to master the challenges of today and support a decarbonized future. Our people are pivotal and pair leading technologies and a strong brand heritage to surpass our customers' expectations and drive continuous value creation.

Limited Warranty Notice

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