CONCERA® SA8618

New generation admixture for performance enhancement of high quality concrete

Product Description

CONCERA® SA8618 is a high performance, new polymer-based superplasticiser for advanced rheological concrete. It is a ready-to-use liquid admixture with superior dispersing capacity for the cement particles in the concrete mix. This capability exceeds that of normal water-reducing admixtures, resulting in lower dosages and better control. CONCERA SA8618 contains no added chloride. One litre weighs approximately 1.07kg ± 0.02kg. CONCERA SA8618 complies with the requirements of admixture specifications: SS EN 934-2: 2008.

Applications

Excellent slump control and slump retention are necessary properties of any high quality concrete. CONCERA SA8618 is a tailor-made admixture that helps concrete achieve excellent slump retention for all ranges of design workability. CONCERA SA8689 is extremely effective in enhancing workability and slump retention even in mid-slump concrete and concrete with manufactured sand (crush granite fines), where conventional admixtures have difficulties achieving these properties. CONCERA SA8689 is suitable for a wide range of quality concrete, from low to higher grade concrete, by adjusting addition rate. The use of ADVA® superplasticiser can help to provide further water reduction when very low water-cement ratio is needed.

Product Advantages

- Provides long slump life with controlled set times.
- Finishes easily without stickiness, tearing or spotty set characteristics.
- Less susceptible to segregation and bleeding.
- Highly efficient, producing desired slump concrete with no loss in strength.
- Quick and easy application to the concrete mix water for rapid batching.

Addition Rates

Addition rates of CONCERA SA8618 can vary with type of application. Depending on the application, dosage rates can range from 300 to 2,000mL / 100kg of cementitious material. However, in most applications, 600 to 1,600mL / 100kg of cementitious material will be sufficient. For best results, CONCERA SA8618 should be added with the mix water. At a given water-cement ratio, the slump required for placement can be controlled by varying the addition rate. Should job site conditions require using more than recommended addition rates, please consult your local GCP representative.

Compatibility with Other Admixtures

Most water reducers or water-reducing retarders are compatible with CONCERA SA8618 as long as they are added separately to the concrete. Caution should be exercised when using CONCERA SA8618 with a retarder, as excessive retardation can occur if the admixture dosages are too high. Pre-testing of the concrete should be performed to optimize dosages and addition times of these admixtures. The admixtures should not be in contact with each other before they enter the concrete. CONCERA SA8619 is not compatible with DAREX® Super 20 and naphthalene-based DARACEM® products.

Dispensing Equipment

Please contact your local GCP representative for further information regarding the dispensing equipment for this product.

Packaging and Storage

CONCERA SA8618 is available in bulk and in 205L drums. CONCERA SA8689 contains no flammable ingredients. In storage, and for proper dispensing, CONCERA SA8618 should be stored under shelter and away from direct sunlight. Shelf life is six to twelve months from the date of delivery depending on storage condition.

Health and Safety

Read and understand the product label and Safety Data Sheet (SDS). All users should acquaint themselves with this information prior to working with the products and follow the precautionary statements. SDSs can be obtained by contacting your local GCP Applied Technologies representative or office.

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