DARATARD® 92

Water-reducing initial set retarder

Product Description

DARATARD® 92 admixture is an aqueous dark brown solution of selected hydroxylated organic compounds. It is ready-to-use since the ingredients are factory pre-mixed in exact proportions to minimise handling, eliminate mistakes and guesswork. DARATARD® 92 is formulated to comply with the chemical admixture specification for concrete: SS EN 934-1: 2008.

One litre weighs approximately 1.13kg ± 0.02kg.

Product Advantages

- Improved working time for placing concrete with better slump retention.
- Extended setting time to facilitate sufficient delivery, placement, vibration or compaction time.
- Increased compressive, flexural and bonding strength with less concrete mix water.
- Better pumpability, finishability and concrete appearance with improved plasticity and workability.
- Reduced tendency to bleeding and segregation.
- Better cost economics in concrete production for a given strength and slump.
- Reduced water permeability to make concrete more watertight, thus improving concrete durability.

Application

DARATARD® 92 provides better slump retention than normal retarding admixtures, and retards the initial and final set of concrete throughout the recommended dosage range. In the recommended dosage range, DARATARD® 92 also gives water reduction of typically 8% to 12%.

DARATARD® 92 is a water reducer/ retarder that provides the initial water reduction and extends the set time of the concrete to facilitate transportation and concrete placement.

DARATARD® 92 admixture is recommended for use in all concrete where superior workability, extended setting times and pumpability quality are desired in applications, e.g., hot weather concreting application, large volume concrete pours.

Compatibility with Other Admixtures

DARATARD® 92 admixture is compatible in concrete with other admixtures from GCP Applied Technologies. DARATARD® 92 admixture can be used alone as a single admixture or in combination with other admixtures to achieve cost-effective customised performance. If used in combination with other admixtures, each admixture should be added separately

Dispensing Equipment

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

The DARATARD® range of products are supplied to leading concrete producers and used in major infrastructure projects.

DARATARD® 92, used as a synergised admixture system, can be used to replace your current admixture system with better mix optimisation.

Addition Rates

DARATARD® 92 dosage ranges are recommended to be between 300 and 600mL /100kg of cementitious materials. The actual amount of DARATARD® 92 to be used will depend on the extension of setting time required under the different job conditions. Longer setting times or higher temperatures will typically require higher addition rates. Conversely, the addition rates will be lesser for shorter extensions of time. Consult your local GCP representative for assistance in determining the dosage rate for optimum performance.

Packaging

DARATARD® 92 is available in bulk and 205L drums. DARATARD® 92 may freeze at a temperature below -2ºC. If frozen, thaw it till it is completely dissolved with mechanical agitation before use. DARATARD® 92 contains no flammable ingredients.

Health and Safety

Please refer to the DARATARD® 92 Material Safety Data Sheet or consult GCP Applied Technologies.

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