ADVA® Cast FR538

Polycarboxylate-based superplasticiser specially designed for high early strength precast concrete

Product Description

ADVA® Cast FR538 is a specially developed, polycarboxylate-based, high range water reducer that produces ultra high early strength concrete in precast applications. Its enhanced dispersing capability allows for remarkable dispersion of the cement agglomerates normally found in a cement-water suspension. This capability far exceeds that of both normal water-reducing admixtures (Type WR) and high range water reducers (Type HWR), thus allowing for the benefits of lower dosages and better control.

ADVA Cast FR538 contains no added chloride. It is formulated to comply with the following specification for concrete admixtures: BS EN 934-2 : SS EN 934-2. One litre weighs approximately 1.07kg ± 0.02kg.

Applications

ADVA Cast FR538 is designed to produce ultra high early strength concrete and high performance cementitious composite for excellent rheology and high early and late strength.

Product Advantages

- Delivers high early strength
- Produces concrete with excellent rheology
- Delivers superior surface finish
- Offers water reduction up to 50%
- Optimises precast concrete production, allowing for earlier form removal, thus offering reduced cycle times, faster mould turnaround, reduced total costs and increased productivity

Packaging

ADVA Cast FR538 is available in bulk, in 205L drums and in 1,000L totes. ADVA Cast FR538 contains no flammable ingredients. It will begin to freeze at approximately 0ºC, but will return to full strength after thawing and thorough agitation. In storage, and for proper dispensing, ADVA Cast FR538 should be maintained at temperatures above 0ºC.

Addition Rates

Addition rates of ADVA Cast FR538 can vary with the type of application, but would normally range from 700 to 2,500mL / 100kg of cementitious material. Should job site conditions require using more than the recommended addition rate, please consult your local GCP representative.

Dispensing Equipment

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

Health and Safety

See ADVA Cast FR538 Material Safety Data Sheet or consult GCP Applied Technologies.

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

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