

DARATAIN SE

Slump maintaining admixture

Product Description

Daratain SE is a revolutionary advancement in time-activated, polycarboxylate-based technology. This specifically engineered technology enables slumps / flows to be maintained when used in conjunction with all GCP Mira & ADVA admixtures. Daratain SE is formulated to comply with the requirements of AS 1478 Type SN. Daratain SE does not contain chloride as a functional ingredient. Daratain SE is manufactured under closely controlled conditions and formulated for use as received. One litre weighs approximately 1.06kg \pm 0.02kg.

Uses

Daratain SE is specifically intended for use where slump/flow maintenance is required with minimal influence on setting times. Daratain SE produces concrete with consistent slump properties while providing the degree of workability necessary to provide easy placement and consolidation.

Conventional high range water reducers may not provide sufficient slump life for applications with unpredictable or long transportation and placement times. As a result, concrete may be re-tempered with water at a job site to achieve desired workability. The addition of Daratain SE used in conjunction with Type HWR Superplasticiser eliminates the need for re-tempering at job sites to achieved the desired workability.

Product Advantages

- Flexible degree of slump retention through adaptable dosing
- Increases slump life with minimal impact on set times
- Better control of operational costs by adjusting the slump life retention on an "as needed" basis during the initial dosage adjustment
- Eliminates the need for re-tempering with water at the job site
- Improves workability at job sites resulting in ease of placement
- Offers some water reduction

Compatibility with Other Admixtures and Batch Sequencing

Daratain SE is compatible with all water reducers, midrange water reducers and high range water reducers from GCP Applied Technologies, as long as they are added separately to the concrete mix. In general, it is recommended that Daratain SE be added to the concrete mix near the end of the batch sequence for optimum performance. Different sequencing may be used if local testing shows better performance.

Pretesting of the concrete mix should be performed before use and as conditions and materials change in order to assure compatibility with other admixtures, and to optimise dosage rates, addition times in the batch sequencing and concrete performance.

Dispensing Equipment

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

Addition Rates

Addition rates of Daratain SE can vary with the type of application and the desired slump specifications but will range from 50 to 500mL / 100kg of total cementitious as an extended slump life admixture. In most instances, the addition of 100 to 200mL / 100kg of total cementitious will be sufficient. At higher dosage rates, some water may have to be removed from the mix to maintain plastic concrete cohesion. GCP strongly recommends pretrial testing the concrete (lab and field) with Daratain SE before production use to optimise dosage rates due to concrete materials, ambient conditions and project requirements that change over time. Please consult your local GCP representative for more information and assistance.

Packaging and Handling

Daratain SE is available in bulk, delivered by metered trucks, in 1,000L disposable totes and 205L drums.

Daratain SE should be stored at temperatures above 0°C and below 50°C for proper dispensing and use. It will begin to freeze at 0°C but will return to full strength after thawing and thorough agitation.

Material Safety Data Sheet (MSDS) is available on request.

Health and Safety

Please refer to Daratain SE MSDS or consult GCP Applied Technologies.

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