

# DAREX<sup>®</sup> Slump Enhancer

Workability-enhancing admixture

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## Product Description

DAREX<sup>®</sup> Slump Enhancer is a revolutionary advancement in time-activated, polycarboxylate-based technology. This patent pending, workability-enhancing (slump and flow) admixture, when used in conjunction with any water reducer (standard, mid range, or high range), will significantly increase the duration of slump or flow retention. DAREX<sup>®</sup> Slump Enhancer is formulated to comply with the requirements of AS 1478 Type SN. DAREX<sup>®</sup> Slump Enhancer does not contain chloride as a functional ingredient. DAREX<sup>®</sup> Slump Enhancer is manufactured under closely controlled conditions and formulated for use as received. One litre weighs approximately 1.05kg ± 0.02kg.

## Uses

DAREX<sup>®</sup> Slump Enhancer is specifically intended for use where extended workability with minimal time of setting extension is desired without compromising plastic or hardened concrete properties. DAREX<sup>®</sup> Slump Enhancer 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 DAREX<sup>®</sup> Slump Enhancer 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

## Compatibility with Other Admixtures and Batch Sequencing

DAREX<sup>®</sup> Slump Enhancer 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 DAREX<sup>®</sup> Slump Enhancer 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 DAREX<sup>®</sup> Slump Enhancer 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 DAREX<sup>®</sup> Slump Enhancer 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

DAREX<sup>®</sup> Slump Enhancer is available in bulk, delivered by metered trucks, in 1,000L disposable totes and 205L drums.

DAREX<sup>®</sup> Slump Enhancer 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 DAREX<sup>®</sup> Slump Enhancer MSDS or consult GCP Applied Technologies.

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