

# ADVA<sup>®</sup> 383

New polymer-based superplasticiser

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## Product Description

ADVA<sup>®</sup>383 is a mid-range, retarding, water-reducing, superplasticising admixture based on aqueous solution of chemical dispersants combined with other chemicals which increases its beneficial effects on the quality and plasticity of a concrete mix.

ADVA 383 is a low viscosity liquid which has been formulated by the manufacturer for use as received. ADVA 383 contains no added chloride and is formulated to comply with the following chemical admixture specifications for concrete: ASTM-C494, Type G. One litre of ADVA 383 weighs approximately 1.07kg ± 0.02kg.

## Addition Rates

Addition rates of ADVA 383 can vary with type of application, but will normally range from 400 to 1,500mL / 100kg of cementitious material. In most instances the addition of 600 to 1,200mL / 100kg of cementitious material will be sufficient. At a given watercement 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 ADVA 383 as long as they are separately added to the concrete. Pretesting of the concrete should be performed to optimise dosages and addition times of these admixtures. The admixtures should not be in contact with each other before they enter the concrete. ADVA 383 should not be used together with naphthalene-based products such as DAREX<sup>®</sup>Super 20 or DARACEM<sup>®</sup>.

## Packaging & Shelf Life

ADVA 383 is available in bulk, and in 205L drums. ADVA 383 contains no flammable ingredients.



## Product Advantages

- Highly efficient in producing low water-cement ratio concrete and achieving high strength requirement.
- Produces concrete with enhanced workability and extended slump retention to facilitate delivery and concrete placement and compaction.
- Concrete finishes easily without stickiness, tearing or spotty set characteristics.
- ADVA 383 concrete, even at high slump, exhibits no significant segregation (reduces tendency to bleed) compared to concrete without a superplasticiser at the same slump.
- It can be added with the concrete mix water for rapid batching.

## Dispensing Equipment

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

## Health and Safety

See ADVA 383 Material Safety Data Sheet or consult GCP Applied Technologies.

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