

PANTARHEO CS300

Rheology optimiser for cement/ bentonite suspensions

Item No 1501/D

FIELDS OF APPLICATION

PANTARHEO CS300 is a viscosity modifying admixture, especially designed for optimising the rheology in cement suspensions with high w/c-ratios.

The special polymer selection supports the production of low-viscosity cement suspensions and is suitable for all applications where optimised stability and excellent early strength development are important.

PANTARHEO CS300 is generally suitable for the following applications:

- Soil improvement
- Injections
- Gap filling

The rheology optimising admixture is able to provide the following benefits:

- High volume constancy
- Excellent stabilising characteristics
- Allows low-viscosity mixes
- Excellent early strength development
- Improves stability/ decreases bleeding
- Increased pumping behaviour

The special built of PANTARHEO CS300 meets the special requirements challenging the cement grouting industry.

DOSAGE

The general dosage range is 1.0 – 6.0 mass-% of the cement content.

Overdosing may lead to rapid setting behaviour.

WORKING PRINCIPLE

PANTARHEO CS300 is developed to generate a chemical reaction with the cement matrix.

A special gel is formed thereby, binding the cement and provides an excellent stability to the suspension.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	1.40 ± 0.03 g/cm ³
pH-value	11 ± 1
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

PANTARHEO CS300 should be added to the mixer after all binders are mixed with water.

COMPATIBILITY

PANTARHEO CS300 is suitable for grout designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA), ground granulated blast furnace slag (GGBS) and Bentonite.

When using other Ha-Be admixtures in the same grout mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

PACKAGING

- 200 l barrel
- 1000 l container
- loose by bulk supply

HEALTH & SAFETY

This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

REMARKS

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indications are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

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SUITABILITY- AND PRELIMINARY TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!