

PANTARHIT® CS400

Plasticizing admixture for cement suspensions

Item No 0687/D

FIELDS OF APPLICATION

PANTARHIT® CS400 is a plasticizing admixture, especially designed to provide cement suspensions with high workability and flow retention properties.

The special product formulation supports the production of low-viscosity suspensions and is suitable for all applications where optimised pumpability and excellent processing characteristics are of crucial importance.

PANTARHIT® CS400 is generally suitable for the following applications:

- Ground Improvement Grouting
- Ankering
- Micropilling

The rheology optimising characteristics are able to provide the following benefits:

- Low w/c ratios
- Optimised flowability
- Excellent processing characteristics
- Increased pumpability
- Good stability of cement suspension mix
- Fast dispersion which allows short mixing times
- More productive production times

The special built of PANTARHIT® CS400 meets the special requirements challenging the construction industry. Manufacturers, contractors and applicators may achieve an economical and technical benefit.

DOSAGE

Recommended dosage range 0.2 – 2.5 mass-% of the cement content.

WORKING PRINCIPLE

PANTARHIT® CS400 achieves a very good cement dispersion. This property allows the formation of a homogenous and low-viscosity suspension which provides significant improvement in workability, pumpability and compaction.

TECHNICAL DATA

Homogeneity	homogenous
Colour	light blue
State	liquid
Density	1.04 ± 0.02 g/cm ³
pH-value	6.5 ± 1
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na ₂ O equivalent)	< 4.5 mass-%
Workability	from 1 °C
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

PANTARHIT® CS400 should be added to the ready-mixed suspension.

COMPATIBILITY

PANTARHIT® CS400 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA) and ground granulated blast furnace slag (GGBS).

When using other Ha-Be admixtures in the same concrete 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

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

HEALTH & SAFETY

This product is not classified as hazardous according to the CLP regulations. See safety data sheet for further information.

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 indication 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 PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!