

PANTARHIT® RC410 (FM)

Item No 8193

High performance superplasticizer acc. to EN 934-2 with high workability retention performance

Also suitable as concrete plasticizer PANTARHIT® RC410 (BV)

FIELDS OF APPLICATION

PANTARHIT® RC410 (FM) is a high-performance superplasticizer designed for application-specific adjustments of workability retention in ready-mix concrete productions. The special polymer configuration allows very high workability retention and is able to delay concrete's setting characteristics.

PANTARHIT® RC410 (FM) is especially suitable for concrete that requires performing under challenging conditions like high concrete- and ambient temperatures, long conveying distances and demanding cements or aggregates.

PANTARHIT® RC410 (FM) should be applied within a two-component-system.

Since PANTARHIT® RC410 (FM) has initially a moderate plasticizing effect it should be used in combination with another PANTARHIT® RC- superplasticizer. This system allows the application-specific regulation of workability retention.

DOSAGE

Recommended dosage range 0.2 – 3.0 mass-% of the cement content;
is equivalent to 2 – 29 ml per kg cement.

Precondition tests of are necessary! Apply framework conditions correspondingly to precondition tests during the concreting process! Significant changes may lead to higher consistencies.

WORKING PRINCIPLE

PANTARHIT® RC410 (FM) improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which ensures an improved workability and facilitates the compaction of concrete.

PANTARHIT® RC410 (FM) develops its full effect in intervals whilst cement hydration is simultaneously proceeding.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	1.04 ± 0.02 g/cm ³
pH-value	3.0 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 8.5 mass-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

PROCESSING INDICATIONS

PANTARHIT® RC410 (FM) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1.

In a truck mixer, the duration of re-mixing after the main mixing process should not be less than 1 min/m³ and not less than 5 minutes after adding the admixture.

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

PACKAGING

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

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 is 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!