

PANTARHIT® RC870 (FM)

Item No 8203

Robust high-performance superplasticizer acc. to EN 934-2 for ready-mix concrete

Also suitable as concrete plasticizer PANTARHIT® RC870 (BV)

FIELDS OF APPLICATION

PANTARHIT® RC870 (FM) is a robust high-performance superplasticizer which was especially developed for the universal and unerring application in ready-mix concrete.

With its excellent plasticizing effects and its very good workability retention, the superplasticizer allows the production of processing-friendly concrete: The wet concrete has low-viscosity, is smoothing-friendly and shows good pumpability as well as improved cohesion.

Concurrently, concrete shows an excellent robustness against varying aggregates, changing water contents and shifting processing temperatures.

These characteristics provide ready-mix producers with high application reliability.

PANTARHIT® RC870 (FM) may reduce the compaction energy applied to concrete. Concrete manufacturers, contractors and applicators may therefore achieve an economical and technical benefit.

DOSAGE

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

WORKING PRINCIPLE

The selected polymer structure achieves a very fast dispersion of the cement within the concrete significantly. This property allows the realisation of short mixing times.

The use of PANTARHIT® RC870 (FM) allows the formation of a homogenous and low-viscosity cement paste which ensures an improved workability and facilitates the compaction of concrete.

TECHNICAL DATA

Homogeneity	homogenous
Colour	light yellow
State	liquid
Density	1.03 ± 0.02 g/cm ³
pH-value	4.0 ± 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® RC870 (FM) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1 and DIN EN 1045-2.

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!