

PANTARHIT® RC174 (FM)

Item No 0806

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

Also suitable as concrete plasticizer PANTARHIT® RC174 (BV)

FIELDS OF APPLICATION

PANTARHIT® RC174 (FM) is a consistency retaining high performance superplasticizer. It is designed for producing ready-mix concrete that requires performing under challenging conditions, e.g. high concrete- and air temperatures, long conveying distances, or demanding cements or aggregates.

The special, consistency retaining polymer configuration allows high workability retentions and is able to delay concrete's setting characteristics.

Furthermore PANTARHIT® RC174 (FM) allows the production of processing-friendly concrete: The wet concrete has low-viscosity, is smoothing-friendly and shows good pumpability.

PANTARHIT® RC174 (FM) may reduce the compaction energy applied to concrete. Concrete manufacturers, contractors and applicators may therefore achieve an economical and technical benefit.

DOSAGE

Recommend dosage range 0.2 – 3.0 mass-% of the cement content.

WORKING PRINCIPLE

The selected polymer structure achieves a very fast dispersion of the cement within the concrete significantly which allows shorter mixing times.

PANTARHIT® RC174 (FM) allows the formation of a homogenous and low-viscosity cement lime which ensures an improved workability and facilitates the compaction of concrete.

TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.06 ± 0.02 g/cm ³
pH-value	5.5 ± 1
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 4.0 mass-%
Workability	from +1 °C
Shelf life	approx. 1 year
Storage conditions	store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

PROCESSING INDICATIONS

PANTARHIT® RC174 (FM) should be added to the ready-mix concrete.

The mixing time has to meet the requirements according to DIN EN 206-1 and DIN 1045-2.

On site, concrete's mixing time in truck mixers should be 60 seconds per cubic metre, but not less than five minutes.

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 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!