

# PANTARHIT® RC872 (FM)

Item No 8205

**High performance superplasticizer acc. EN 934-2 for concretes with long workability retention**

Also suitable as concrete plasticizer PANTARHIT® RC872 (BV)

## FIELDS OF APPLICATION

PANTARHIT® RC872 (FM) is a high-performance superplasticizer with long workability retention. 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, workability retaining polymer configuration allows high workability retention and is able to delay concrete's setting characteristics.

Furthermore PANTARHIT® RC872 (FM) allows the production of processing-friendly concrete: The wet concrete has low-viscosity, is smoothing-friendly and shows good pumpability.

PANTARHIT® RC872 (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

PANTARHIT® RC872 (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.

Its special built extends the processing time purposefully and meets the special requirements challenging the ready-mix concrete industry.

## TECHNICAL DATA

|                                               |                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Homogeneity                                   | homogenous                                                                                                |
| Colour                                        | light yellow                                                                                              |
| State                                         | liquid                                                                                                    |
| Density                                       | 1.03 ± 0.02 g/cm <sup>3</sup>                                                                             |
| pH-value                                      | 4.0 ± 1.0                                                                                                 |
| Chloride content                              | < 0.10 mass-%                                                                                             |
| Alkali content (Na <sub>2</sub> 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

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PANTARHIT® RC872 (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/m<sup>3</sup> 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

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

## REMARKS

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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!**