

# PANTARHIT® RC540 (FM)

Item No 0860

**Superplasticizer acc. to EN 934-2 for producing concrete applied in traffic areas**

Also suitable as concrete plasticizer PANTARHIT® RC540 (BV)

## FIELDS OF APPLICATION

PANTARHIT® RC540 (FM) is a high-performance superplasticizer for the production of concrete applied in traffic areas. The product enables precise adjustment of the desired consistency according to the type of installation.

Furthermore PANTARHIT® RC540 (FM) offers the following benefits:

- High mix stability
- excellent consistency maintenance
- Fast dispersion  
(may lead to shorter mixing times)
- Improved workability
- Improved evenness
- Special suitability for air-entrained concretes
- Reduced viscosity
- Optimal at lower w/c ratios

PANTARHIT® RC540 (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 – 2.15 mass-% of the cement content;  
is equivalent to 2 – 20 ml per kg cement.

At high doses PANTARHIT® RC540 (FM) may have a retarding effect.

## WORKING PRINCIPLE

PANTARHIT® RC540 (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® RC540 (FM) advances the pumping and the placing of concrete and improves its processing and compaction significantly.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.10 ± 0.03 g/cm <sup>3</sup>
pH-value	5.0 ± 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 of 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® RC540 (FM) should be added to the ready-mixed concrete.

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

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 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!**