

## PANTARHIT® RMC 270

Item No 8176/D

**High-performance superplasticiser for high quality concrete**

### FIELDS OF APPLICATION

PANTARHIT® RMC 270 is a high performance superplasticiser for ready-mix concrete with prolonged workability retention that allows good early and high final strength developments in concrete.

PANTARHIT® RMC 270 has excellent plasticising effects that can enhance the consistency of concrete by several consistency classes e.g. from F1 up to F6 (is equivalent to S1 – S6). The high-performance superplasticiser is especially suitable for producing self-compacting concrete (SCC).

PANTARHIT® RMC 270 reduces the compaction energy applied to concrete. Thus, concrete manufacturers, contractors and applicators may achieve an economical and technical benefit.

### APPLICATION QUANTITY

Recommended dosage range 0.2 – 2.5 mass-% of the cement content.

### STANDARD COMPLIANCE

PANTARHIT® RMC 270 conforms to BS EN 934-2.

### WORKING PRINCIPLE

PANTARHIT® RMC 270 improves the cement dispersion throughout the concrete. This property allows the formation of a homogenous and low-viscosity cement paste, which ensures an improved workability and which facilitates the compaction of concrete.

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

### TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.07 ± 0.02 g/cm <sup>3</sup>
pH value	4.5 ± 1.0
Workability	from +5 °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® RMC 270 should be added to the ready-mixed concrete.

For the recommended mixing time, the definitions and regulations of EN 206-1 apply.

## COMPATIBILITY

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PANTARHIT® RMC 270 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA), ground granulated blast furnace slag (GGBS).

PANTARHIT® RMC 270 should not be used in conjunction with any naphthalene-based admixture.

When using other Ha-Be admixtures in the same concrete mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

## PACKAGING

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

## HEALTH & SAFETY

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This product is classified as hazardous according to the CLP regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

## 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 accepted orders are subject to our current general terms and conditions.

Edition: 16 March 2021

**SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!**