

## PANTARHIT® RC610 (FM)

Item No 0880

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

Also suitable as concrete plasticizer PANTARHIT® RC610 (BV).

### FIELDS OF APPLICATION

PANTARHIT® RC610 (FM) is a universally applicable high performance superplasticizer which was especially developed for ready-mix concreting which requires high retention of workability.

The special polymer selection allows concrete to perform under challenging conditions like hot weather conditions, high transit distances and pumped concrete.

PANTARHIT® RC610 (FM) has excellent plasticizing effects and enables very good workability retention. Concrete prepared with this superplasticizer is processing-friendly, low-viscosity and shows good pumpability as well as an improved cohesion.

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

PANTARHIT® RC610 (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 – 3.4 mass-% of the cement content;  
is equivalent to 2 – 32 ml per kg cement.

A significant overdosing of PANTARHIT® RC610 may lead to an increased workability and to an elongated set retardation of concrete. Using an appropriate curing for concrete the final strength development will not be impaired.

### 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 special built of PANTARHIT® RC610 extends the processing time purposefully and 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
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® RC610 (FM) should be added to the ready-mixed concrete.

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

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

## 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!**