

## PANTARHIT® C140 (FM)

Item No 0823

**High-performance superplasticizer acc. to EN 932-2 with stabilising effects**

Also suitable as concrete plasticizer PANTARHIT® C140 (BV)

### FIELDS OF APPLICATION

PANTARHIT® C140 (FM) is a high-performance superplasticizer for producing durable concrete with high mechanical load performances in ready-mix and precast concrete plants.

PANTARHIT® C140 (FM) allows the production of high consistency mixed batches with low water/cement ratios, ensures a purposefully extended workability and improves concrete's early strength development. PANTARHIT® C140 (FM) stabilises concrete's structure and minimises its bleeding and segregation tendencies.

PANTARHIT® C140 (FM) has excellent plasticizing effects which are able to enhance concrete's consistency by several classes e.g., from S1 – S5.

PANTARHIT® C140 (FM) is also suitable for pump-concrete with high conveying distances and for manufacturing fine grained concrete.

### DOSAGE

Recommended dosage range 0.2 – 2.15 mass-% of the cement content;  
is equivalent to 2 – 20 ml per kg cement.

#### For F5 concrete | a = 620 mm

Having an initial consistency at the end of F1: approx. 10 ml per kg cement.

### WORKING PRINCIPLE

PANTARHIT® C140 (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, optimises the pumping abilities and facilitates the compaction of concrete.

### TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.06 ± 0.02 g/cm <sup>3</sup>
pH-value	5.5 ± 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® C140 (FM) should be added to the ready-mixed concrete.

In forced action mixers the mixing time should be at least 60 seconds per cubic metre.

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 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 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!**