

## PANTARHIT® C210 (FM)

Item No 0862

**High performance superplasticizer acc. to EN 934-2 for concrete with accelerated early strength development**

Also suitable as concrete plasticizer PANTARHIT® C210 (BV)

### FIELDS OF APPLICATION

PANTARHIT® C210 (FM) is a high performance superplasticizer for precast and ready-mix concrete purposefully developed for concrete requiring an accelerated early strength development at low ambient temperatures and winter concreting.

PANTARHIT® C210 (FM) allows a faster cement hydration process whilst ensuring a sufficient level of workability at the same time.

PANTARHIT® C210 (FM) has excellent plasticizing effects which are able to enhance concrete's consistency by several classes e.g. from F1 up to F6 (is equivalent to S1 – S6).

PANTARHIT® C210 (FM) minimises 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 – 4.0 mass-% of the cement content; is equivalent to 2 – 32 ml per kg cement.

### WORKING PRINCIPLE

PANTARHIT® C210 (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.

The accelerated hydration process allows a faster hardening and early strength development of concrete.

### TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.25 ± 0.03 g/cm <sup>3</sup>
pH-value	4 ± 1
Chloride content	< 0.10 mass.-%
Alkali content (Na <sub>2</sub> O equivalent)	< 1.0 mass.-%
Workability	from - 10 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging. Protect from frost and insolation.

## PROCESSING INDICATIONS

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PANTARHIT® C210 (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.

This product is 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!**