

PANTARHIT® 80 (BV)

Item No 0188

Robust high-performance plasticizer acc. to EN 934-2 for concrete

Also suitable as superplasticizer PANTARHIT® 80 (FM).

FIELDS OF APPLICATION

PANTARHIT® 80 (BV) is a robust, lignin-free plasticizer for the production of ready-mix concrete.

In addition, PANTARHIT® 80 (BV) is an optimum replacement for conventional lignin-based concrete plasticizers.

PANTARHIT® 80 (BV) can achieve the following benefits:

- excellent plasticising effect
- good workability retention, especially for concrete classes from S2 - S4
- good processability
- high robustness against varying aggregates, changing water contents, and shifting processing temperatures
- short mixing times
- increased effect compared to lignin-based plasticizers
- suitable to produce air-entrained concrete

PANTARHIT® 80 (BV) has been developed especially for use in combination with our high-performance superplasticisers of the PANTARHIT® RC8XX - line.

DOSAGE

Recommended dosage range 0.2 – 5.0 mass-% of the cement content;
is equivalent to 2 – 50 ml per kg cement.

WORKING PRINCIPLE

PANTARHIT® 80 (BV) 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 and meets the special requirements challenging the ready-mix concrete industry.

TECHNICAL DATA

Homogeneity	homogenous
Colour	light yellow
State	liquid
Density	1.01 ± 0.02 g/cm ³
pH-value	4.0 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ 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

PANTARHIT® 80 (BV) should be added to the ready-mixed concrete.

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

In a truck mixer, the duration of re-mixing after the main mixing process should not be less than 1 min/m³ 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

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

REMARKS

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 PRELIMINARY TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!