

PANTARHIT® 50 (BV)

Item No 0103

Plasticizer acc. to EN 932-2 for the production of ready-mix concrete

FIELDS OF APPLICATION

PANTARHIT® 50 (BV) is a premium plasticizer for the production of F3 consistency concrete in the ready-mix-concrete industry (is equivalent to S3).

The plasticizer allows either an increase of concrete's consistency and/or a reduction of its water demand which enables achieving low w/c-ratios.

PANTARHIT® 50 (BV) improves the early strength development of concrete and achieves good workability properties. Moreover, the plasticizer advances the pumping and the placing properties of concrete and improves its placing and compaction qualities significantly.

DOSAGE

Recommended dosage range 0.2 – 1.2 mass-% of the cement content;
is equivalent to 2 – 10 ml per kg cement.

WORKING PRINCIPLE

PANTARHIT® 50 (BV) causes a high plasticizing effect by reducing the surface tension of the water. Thereby high water savings are achieved and the pressure strength is increased.

PANTARHIT® 50 (BV) has a slight retarding effect.

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.17 ± 0.03 g/cm ³
pH-value	7.5 ± 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® 50 (BV) should be added either with the tempering water or to the premixed concrete.

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

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 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!