

PANTARHIT® 45 (BV)

Plasticizer for concrete acc. to EN 934-2

Item No 0100

FIELDS OF APPLICATION

PANTARHIT® 45 (BV) is a plasticizer for producing concrete in the consistency class F3 in ready-mix-concrete plants and has a slight retarding effect.

PANTARHIT® 45 (BV) can transform plastic concrete (F2) into soft concrete (F3) without impairing the water/cement ratio (is equivalent to S2 into S3).

DOSAGE

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

For F3 concrete | a = 480 mm

Having an initial consistency at the end of F2: approx. 3 ml per kg cement

PROCESSING INDICATIONS

PANTARHIT® 45 (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

WORKING PRINCIPLE

PANTARHIT® 45 (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.

Concrete produced with PANTARHIT® 45 (BV) is easier to pump, place, spread and compact.

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.17 ± 0.03 g/cm ³
pH-value	5.0 ± 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.

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.

Edition: 01 September 2023

SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!