

## 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.

### 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.

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

- 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
Chemical base	lignosulfonates
State	liquid
Density	1.18 ± 0.03 g/cm <sup>3</sup>
pH-value	8 ± 1
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.

## 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 indications 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!**