

PANTARHIT® 45KW (BV)

Highly effective plasticizer for concrete

Item No 0112

FIELDS OF APPLICATION

PANTARHIT® 45KW (BV) is a highly effective plasticizer and particularly suitable for the year-round production of ready-mix concrete.

The product is mainly formulated for concrete applications where good workability and high slump retention are required.

PANTARHIT® 45KW (BV) is applied to enhance concrete's consistency classes e.g. from S2 up to S3 or to reduce the quantity of tempering water.

At high dosage PANTARHIT® 45KW (BV) obtains retarding effects.

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® 45KW (BV) reduces the surface tension of water and ensures a strong plasticizing effect thereby. This leads on to a significant improvement in concrete's workability, pumpability, levelability and compaction.

TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.23 ± 0.03 g/cm ³
pH-value	7.5 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 4.5 mass-%
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® 45KW (BV) should be added to the ready-mixed 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!