

PANTARHIT® 45 S (BV)

Item No 0106

Plasticizer for concrete acc. to EN 934-2 with retarding properties

FIELDS OF APPLICATION

PANTARHIT® 45 S (BV) is a plasticizer with retarding properties and especially suitable for producing concrete in the consistency class S3 in ready-mix-concrete plants.

Having retarding properties PANTARHIT®45 S (BV) allows the extension of concrete's transportation time and lengthens its workability.

PANTARHIT® 45 S (BV) has good plasticizing effects which are able to transform plastic concrete (S2) into very soft concrete (S4).

DOSAGE

Recommended dosage range 0.2 – 1.6 mass-% of the cement content; is equivalent to 2 – 14 ml per kg cement.

The retardation of the hydration process depends on dosage, temperature and cement sort and varies accordingly to these parameters.

WORKING PRINCIPLE

PANTARHIT® 45 S (BV) reduces the surface tension of water which might allow high water savings and an increase of concrete's pressure strength. The retardation of the hydration process ensures an extended workability.

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.17 ± 0.03 g/cm ³
pH-value	8.0 ± 1.0
Chloride content	< 0.10 mass.-%
Alkali content (Na ₂ O equivalent)	< 4.0 mass.-%
Workability	from + 1°C
Durability	approx 1 year
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® 45 S (BV) should be added either with the tempering water or to the premixed concrete batch.

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.

Edition: 10 February 2021

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