

PANTARHIT® 30 W (BV)

Plasticizer acc. to EN 934-2 for cold weather concreting

Item No 0196

FIELDS OF APPLICATION

PANTARHIT® 30 W (BV) is a universally applicable plasticizer for the ready-mix concrete industry. It is especially designed for the cost-effective production of durable concrete under cold weather conditions.

The accelerating plasticizer improves the early strength development especially at the start of set. Even at low temperatures the product ensures a low w/c-ratio while retaining good workability.

Having a robust product composition, the plasticizer achieves an easy, safe and purposeful application and provides high reliability in practise.

PANTARHIT® 30 W (BV) has excellent plasticizing effects and enables very good and extended workability retentions. A decrease of tempering water or realising concrete designs with low w/c-ratios can be achieved. In addition, the plasticizer increases the strength development of concrete.

These characteristics may contribute to reducing the cement content while keeping the high quality standard of concrete.

DOSAGE

Recommended dosage range 0.2 – 1.6 mass-% of the cement content;
is equivalent to 2 – 13 ml per kg cement.

WORKING PRINCIPLE

PANTARHIT® 30 W (BV) reduces the surface tension of water which allows for higher water savings and an increase of concrete's strength.

The accelerating component rise the reaction between water and cement especially at the start of set providing improved setting times and increased strength developments.

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.23 ± 0.03 g/cm ³
pH-value	4.0 ± 1
Chloride content	< 0.10 mass.-%
Alkali content (Na ₂ O equivalent)	< 8.5 mass.-%
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between. Protect from frost and insolation.

PROCESSING INDICATIONS

PANTARHIT® 30 W (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 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!