

## PANTARHIT® 55 (BV)

Item No 0108

**Very efficient plasticizer based on polycarboxylates for concrete acc. to EN 934-2**

### FIELDS OF APPLICATION

PANTARHIT® 55 (BV) is a very efficient plasticizer based on polycarboxylates developed for universal, reliable use in the ready-mix concrete industry.

PANTARHIT® 55 (BV) enables the production of a very flowable concrete (S5) from an initial consistency of S2.

Furthermore, the product has good mixing properties which allows for shorter mixing times.

Concretes produced with PANTARHIT® 55 (BV) may achieve the following benefits:

- High stability of the mix
- Good consistency retention
- Enhanced pumpability
- Improved processability

In addition, they show a high robustness against changing raw materials and water contents. These characteristics provide ready-mix producers with high application reliability.

PANTARHIT® 55 (BV) may significantly reduce the compaction energy applied to concrete. Concrete manufacturers, contractors and applicators may therefore achieve an economical and technical benefit.

### DOSAGE

Recommended dosage range 0.2 – 2.25 mass-% of the cement content;  
is equivalent to 2 – 20 ml per kg cement.

At high dosages PANTARHIT® 55 (BV) can have a retarding effect.

### WORKING PRINCIPLE

PANTARHIT® 55 (BV) improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which ensures an improved workability and facilitates the compaction of concrete.

PANTARHIT® 55 (BV) advances the pumping and placing of concrete and improves its processing considerably.

### TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.11 ± 0.03 g/cm <sup>3</sup>
pH-value	7.0 ± 1.0
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.

## PROCESSING INDICATIONS

PANTARHIT® 55 (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.

Edition: 23 February 2022

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