

PANTARHEO® SE10 (BV)

Item No 0161

Rheology optimiser for reducing concrete's viscosity

FIELDS OF APPLICATION

PANTARHEO® SE10 (BV) is a viscosity modifying admixture, especially designed to optimise the rheology in concrete and thus its pumping characteristics under challenging conditions.

The special polymer selection supports the production of low-viscosity concrete and is suitable for all concrete applications where optimised flowability and excellent processing characteristics are of crucial importance.

PANTARHEO® SE10 (BV) is generally suitable for the following uses:

- Ready-mix concrete
- Precast concrete
- Concrete with high ultra-fines content
- Self and easy compacting concrete
- Concrete with enhanced requirements on aesthetical appearance

The rheology optimising admixture is able to provide the following benefits in concreting:

- Low w/c ratios
- Optimised flowability
- Excellent processing characteristics
- Increased pumpability
- Excellent smoothing properties
- Good stability of concrete mix
- Fast dispersion which allows short mixing times
- More productive production times

The special built of PANTARHEO® SE10 (BV) meets the special requirements challenging the concrete industry. Concrete manufacturers, contractors and applicators may therefore achieve an economical and technical benefit.

DOSAGE

Recommended dosage range 0.2 – 0.8 mass-% of the cement content;
is equivalent to 2 – 8 ml per kg cement.

WORKING PRINCIPLE

PANTARHEO® SE10 (BV) achieves a very good cement dispersion. This property allows the formation of a homogenous and low-viscosity cement paste which provides versatile benefits.

PANTARHEO® SE10 (BV) can be used in combination with our plasticizers, superplasticizers and PCE-based high performance superplasticizer of the PANTARHIT® - line.

TECHNICAL DATA

| | |
|---|---|
| Homogeneity | homogenous |
| Colour | blue |
| State | liquid |
| Density | 1.04 ± 0.02 g/cm ³ |
| pH-value | 5.5 ± 1 |
| Chloride content | < 0.10 mass.-% |
| Alkali content (Na ₂ O equivalent) | < 4.5 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

PANTARHEO® SE10 (BV) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1 and DIN EN 1045-2.

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: 04 February 2021

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