

PANTARHOL® 95 CY (VZ)

Set retarder for concrete acc. to EN 934-2

Item No 0406

FIELDS OF APPLICATION

PANTARHOL® 95 CY (VZ) is a powerful retarding admixture for concrete applications requiring a controlled and predictable hydration process.

The retarder is especially designed for extending the setting time of ready-mix and slipform concrete in challenging conditions and is therefore suitable for:

- Hot weather concreting
- Long distance deliveries
- Long pumping distances
- Extended placing times

Having a plasticizing effect PANTARHOL® 95 CY (VZ) allows:

- Reduction of water
- Improved Workability
- Production of low w/c-ratio mixes
- Increased density

The carefully selected product composition may provide the following benefits:

- Construction joints can be avoided
- Breaks can be bridged
- Excellent workability even after long distance pumping
- Increased density is able to reduce concrete's permeability and can enhance its durability

DOSAGE

Recommended dosage range 0.2 – 1.0 mass-% of the cement content;
is equivalent to 2 – 10 ml per kg cement.

WORKING PRINCIPLE

By retarding the cement hydration the workability time of concrete is extended. The retarding effect is influenced by dosage, but also by the type of cement and by temperature.

TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.10 ± 0.03 g/cm ³
pH-value	8.0 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ 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

PANTARHOL® 95 CY (VZ) is either added to the tempering water or to the ready mixed concrete.

For the recommended mixing time the definitions and regulations of EN 206-1 apply.

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

SPECIAL INDICATIONS

Directive for concrete with extended workability times (retarded concrete) is to be observed.

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!