

# PANTARHOL® VZ 500

Retarding admixture for factory-mixed fresh mortar

Item No 0905/D

## FIELDS OF APPLICATION

PANTARHOL® VZ 500 is a retarder for the production of mortar. The product is especially developed for applications where an individual dosage level of retarder, stabiliser and air entrainer is required.

PANTARHOL® VZ 500 allows an extended setting time of the produced mortar and prolongs the workability time purposefully.

PANTARHOL® VZ 500 is adjusted to the air entraining agent PANTARHOL® LP 500.

If the addition of an air entrainer is intended, apply these products in combination.

## DOSAGE

Recommended dosage range 0.2 – 1.7 mass-% of the cement content.

The required dosage ranges needs to be determined in each individual case.

## WORKING PRINCIPLE

PANTARHOL® VZ 500 retards the hydration process, generates a smooth mortar and allows a good processing.

The produced mortar has excellent adhesion characteristics which facilitates the placement on masonry and bricklaying constructions.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	yellowish
State	liquid
Density	1.15 ± 0.03 g/cm <sup>3</sup>
pH-value	11.5 ± 1
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

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PANTARHOL® VZ 500 should be added to the tempering water or directly into the truck mixer.

In forced action mixers, the mixing time should be at least 2 minutes.

In truck mixers, the mixing time should be approx. 10 minutes.

## COMPATIBILITY

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PANTARHOL® 100 VZ 500 is suitable for concrete designs containing OPC or SRC cement.

When using other Ha-Be admixtures in the same concrete mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests in order to ensure the required combination of its effects is attained.

## PACKAGING

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- 30 l can
- 200 l barrel
- 1000 l container
- loose by bulk supply

## HEALTH & SAFETY

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This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

## SPECIAL INDICATIONS

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The retarding effect is reduced by solar insolation and windy conditions. During breaks or at the end of the working day the produced mortar should therefore be covered with foil or a thin layer of water.

In order to ensure an exploited hydration process, high absorbent stones (sand lime bricks) should be pre-damped or damped in the wall.

## REMARKS

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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: 25<sup>nd</sup> January 2021

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