

PANTARHOL® 500 VZ

Retarding admixture for factory-mixed fresh mortar

Item No 0420

FIELDS OF APPLICATION

PANTARHOL® 500 VZ is a retarder for the production of mortar and was especially developed for applications where an individual dosage level of retarder, stabiliser and air entrainer needs to be formulated.

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

PANTARHOL® 500 VZ is adjusted to the air entraining agent PANTARHOL® 500 LP and the foam forming additive PANTARHOL® 500 S. If the addition of those product groups is intended, applied the corresponding products in combination.

DOSAGE

Recommended dosage range 0.2 – 1.7 mass-% of the cement content;
is equivalent to 2 – 15 ml per kg cement.

Guideline for a consistency retention for up to 36 hours:

Basis: Cement

0.7 l (0.8 kg) per 100 kg cement.

Basis: Plaster or mortar binders

1.0 l (1.2 kg) per 100 kg p/m binder.

The retardation is given for a mortar temperature of 20° C. At higher temperatures the dosage is increased, at lower ones decreased.

WORKING PRINCIPLE

PANTARHOL® 500 VZ 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	1.16 ± 0.03 g/cm ³
pH-value	9.5 ± 1
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® 500 VZ can be applied together with all types of standard cement, lime and fly ash (filler).

PANTARHOL® 500 VZ can 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.

PANTARHOL® 500 VZ does not become unusable by freezing. After thawing, just mix well before further use!

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

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

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!