

# PANTARHOL® 500 LP

Item No 0210

**Air entraining admixture for factory-mixed fresh mortar**

## FIELDS OF APPLICATION

PANTARHOL® 500 LP is an air entraining agent 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 LP allows a controlled addition of stable air pores into the mortar which provides a smooth consistency of the construction material.

PANTARHOL® 500 LP and the corresponding re-trarding agent PANTARHOL® 500 VZ are adjusted to each other and should therefore be applied in combination.

## DOSAGE

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

0.3 l (0.3 kg) of PANTARHOL® 500 LP per kg cement, fly ash or lime can entrain 20 vol.-% of air pores.

## WORKING PRINCIPLE

PANTARHOL® 500 LP entrains air voids which allows the generation of soft mortar with advanced workability properties.

Furthermore, PANTARHOL® 500 LP reduces the bleeding and segregation risk of mortar.

## TECHNICAL DATA

|   |   |
|---|---|
| Homogeneity                                   | homogenous  |
| Colour  | greenish  |
| State   | liquid  |
| Density                                       | 1.02 ± 0.02 g/cm <sup>3</sup>   |
| pH-value                                      | 8 ± 1   |
| 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

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PANTARHOL® 500 LP can be applied with all types of standard cement, lime and fly ash (filler).

PANTARHOL® 500 LP 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 LP 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

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

## SPECIAL INDICATIONS

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

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