

PANTARHOL 85 (VZ)

Retarding admixture for concrete acc. to EN 934-2

Item No 0410

FIELDS OF APPLICATION

PANTARHOL 85 (VZ) is a retarding admixture that extends the workability time of concrete purposefully. Construction joints can be avoided and longer breaks during the construction process can be bridged.

DOSAGE

Recommended dosage range 0.2 – 1.4 mass-% of the cement content;
is equivalent to 2 – 12 ml per kg cement.

The table below shows the recommended dosage for achieving the required workability time in dependence to concrete's temperature.

Workability Time	Recommended dosage regarding the concrete temperature*		
	+10 °C	+20 °C	+30 °C
02 hours	-	0.1	0.3
04 hours	0.1	0.2	0.5
06 hours	0.2	0.5	0.7
08 hours	0.3	0.6	0.8
12 hours	0.6	0.8	1.2
16 hours	0.8	1.0	1.4
20 hours	1.0	1.2	-

* Dosage in kg per 100 kg CEM I 32,5 R

The presented dosage ranges are just guidelines for concrete produced with CEM I 32,5 R. The dosage varies accordingly to the applied cement sort. Different cement sorts might react diversely. Applying CEM III/A can reduce the dosage quantity, CEM I 42,5 R may increase it.

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	colourless
State	liquid
Density	1.15 ± 0.03 g/cm ³
pH-value	10 ± 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 85 (VZ) is either added to the tempering water or to the ready mixed concrete.

This product is 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.

Edition: 05 September 2019

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