

# PANTARHOL® MaxRetard 55 (VZ)

Hydration stabiliser for concrete acc. to EN 934-2

Item No 0402

## FIELDS OF APPLICATION

PANTARHOL® MaxRetard 55 (VZ) is a hydration stabilising admixture designed for controlling the hydration process of concrete.

The special product configuration allows the stabilisation of concrete for a long time period without negatively influencing its quality.

PANTARHOL® MaxRetard 55 (VZ) is suitable for challenging concrete applications where the prevention of concrete hydration is required such as:

- Hot weather conditions
- Long transport routes and conveying distances
- Demanding cements or aggregates
- Shotcrete applications
- Large continuous pours
- Pre-batching of concrete for later use
- Avoiding construction joints

## DOSAGE

Recommended dosage range 0.2 – 2.0 mass-% of the cement content;  
is equivalent to 2 – 18 ml per kg cement.

## WORKING PRINCIPLE

PANTARHOL® MaxRetard 55 (VZ) stabilises the hydration process of cement avoiding it from reaching its initial set.

This stabilisation is not permanent and is controlled by dosage rate. The concrete reattains normal hydration when the dosage effects of the hydration stabiliser diminish.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless to yellowish
State	liquid
Density	1.12 ± 0.03 g/cm <sup>3</sup>
pH-value	8.0 ± 1.0
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

---

PANTARHOL® MaxRetard 55 (VZ) is either added to the tempering water or to the ready mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1.

PANTARHOL® MaxRetard 55 (VZ) is compatible with most PANTARHIT® plasticizers and superplasticizers.

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.

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.

Edition: 20 January 2021

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