

PANTAQUICK® C100 (BE)

Item No 0500

Chloride-free hardening accelerator acc. to DIN EN 932-4

FIELDS OF APPLICATION

PANTAQUICK® C100 (BE) is an innovative accelerating admixture, especially developed to increase the hydration process of concrete at early ages.

The accelerator supports concrete hardening at low, ambient and curing temperatures and is suitable for all concrete applications where high early strength development is a key success factor, or is of crucial importance.

These challenges are usually associated within the following uses:

- Ready-mix concrete
- Slipform concrete
- Precast & manufactured concrete products
- Industrial flooring
- Exposed concrete surfaces

Besides accelerating the hardening process of concrete, PANTAQUICK® C100 (BE) increases the final strength and may provide the following benefits:

- Early strength acceleration even at low, ambient and curing temperatures
- More efficient use of formwork by earlier demoulding
- More productive cycle times in precast and manufactured concrete applications
- Decrease of heat curing
- Optimisation of energy consumption
- Reduced costs
- Flexible adjustment of production capacities
- Fast construction processes
- Early load bearing capacity

WORKING PRINCIPLE

PANTAQUICK® C100 (BE) accelerates the setting and the initial strength of concrete. The early and final strength are thereby increased.

TECHNICAL DATA

Homogeneity	homogenous
Colour	colourless
State	liquid
Density	1.43 ± 0.03 g/cm ³
pH-value	5.5 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 0.5 mass-%
Workability	from - 15 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between - 15 °C and +25 °C. Protect from frost and insolation.

DOSAGE

Recommended dosage range 0.5 – 4.0 mass-% of the cement content;
is equivalent to 3 – 28 ml per kg cement.

PROCESSING INDICATIONS

PANTAQUICK® C100 (BE) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1 and DIN EN 1045-2.

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

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 is 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!