

## PANTARHIT® PRC 200

Item No 0800/D

**High performance water reducing superplasticizer for precast concrete**

### FIELDS OF APPLICATION

PANTARHIT® PRC 200 is a high performance water reducing superplasticizer which was purposefully designed for presenting exceptional improved early and final strength development in precast concrete.

PANTARHIT® PRC 200 reduces concrete's water demand significantly, provides it with high workability and good retention properties and facilitates its compaction. The PCE-based product is applied to enhance concrete's consistency by several classes e.g. from S1 to S6 and is especially suitable for producing SCC.

The combination of improved strength development and slump retention might lead to economical, ecological and technical benefits:

- heated formwork can be removed
- compaction energy can be conserved
- stripping times can be reduced and
- the curing cycle can be optimised

These unified effects can result in a more productive production process.

### DOSAGE

The general dosage range is 0.2 – 2.5 mass-% of the cement content.

### STANDARD COMPLIANCE

PANTARHIT® PRC 200 conforms to ASTM C494 Type A & F and BS EN 934-2.

### WORKING PRINCIPLE

PANTARHIT® PRC 200 improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which provides flowable concrete with substantially reduced water content.

The special built of PANTARHIT® PRC 200 meets the special requirements challenging the precast concrete industry.

### TECHNICAL DATA

|   |   |
|---|---|
| Homogeneity                                   | homogenous  |
| Colour  | amber   |
| State   | liquid  |
| Density                                       | 1.06 ± 0.02 g/cm <sup>3</sup>   |
| pH-value                                      | 5.5 ± 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 under cover, out of direct sunlight and protect from extremes of temperature. |

## PROCESSING INDICATIONS

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PANTARHIT® PRC 200 should be added to the ready-mixed concrete.

In forced action mixers the mixing time should be at least 60 seconds per cubic metre.

## COMPATIBILITY

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PANTARHIT® PRC 200 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA) and ground granulated blast furnace slag (GGBS).

When 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.

## PACKAGING

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

## HEALTH & SAFETY

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This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

## 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 indications 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 PRELIMINARY TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!**