

ANTIFROST 30 (BV)

Item No 0580

Plasticizer acc. to EN 934-2 with antifreeze and accelerating effects for concrete

FIELDS OF APPLICATION

ANTIFROST 30 (BV) is a high effective plasticizer developed for concreting under low temperature conditions.

Besides reducing the amount of tempering water in concrete, ANTIFROST 30 (BV) accelerates the cement hydration and effects a high early strength development. In consequence, concrete generates the necessary strength to resist freezing during its early stages.

ANTIFROST 30 (BV) does not contain chlorides.

DOSAGE

Recommended dosage range 0.5 – 3.0 mass-% of the cement content.

The temperature of concrete mixture should be at least + 5 °C.

WORKING PRINCIPLE

ANTIFROST 30 (BV) causes a high plasticizing effect by reducing the surface tension of the water. Thereby high water savings are achieved and the pressure strength is increased. Concrete produced with ANTIFROST 30 (BV) is easier to pump, place, spread and compact.

ANTIFROST 30 (BV) accelerates the cement hydration and optimises its heat development.

TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
State	liquid
Density	1.30 ± 0.03 g/cm ³
pH-value	5.0 ± 1.0
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 8.5 mass-%
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

ANTIFROST 30 (BV) 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.

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 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!