



CHLORIDE-FREE HARDENING ACCELERATOR FOR CONCRETE AND MORTAR.

PRODUCT DESCRIPTION

Beto Accelerator is a liquid admixture made from high-efficient, chloride-free hardening accelerators. Beto Accelerator is a solution of inorganic salts dissolved in water with the capability to accelerate the hydration process of cement, thereby reducing the setting time and increasing the strength of the mix after short curing cycles. The accelerating effect of Beto Accelerator is generally greater when the temperature of concrete or the surrounding temperature is lower than +10°C during the pouring phase.

FIELD OF APPLICATION

- high mechanical strength after short curing cycles;
- shorter steam curing cycles;
- pouring of concrete when the surrounding temperature is lower than +10°C;
- optimisation of production cycles;
- reduction of form stripping times;
- mixing of reinforced concrete;
- the use of flying formwork.

CHARACTERISTICS

Beto Accelerator is an admixture made from chloride-free, non-corrosive set accelerators and is used to make reinforced concrete without potentially corrosive effects. Beto Accelerator is a catalyser for the formation of hydration products, reduces setting times and accelerates the



development of mechanical strength, especially at low temperatures.

APPLICATION PROCEDURE

Beto Accelerator is either added simultaneously with the water. Beto Accelerator may be combined with many other products and is compatible with all types of cements and cementitious materials.

DOSAGE

0.5 - 3 % by weight of cement.
The retardation rate achieved is directly dependent on the dosage rate which in turn is influenced by quality of cement and aggregates, w/c ratio and temperatures. It is advisable to carry out trial mixes to finalize the optimum dosage rate.

PACKAGING

Beto Accelerator is supplied in:

- 1 kg plastic can
- 5 kg plastic can
- 10 kg plastic can
- 1000 kg plastic can.

SHELF LIFE-STORAGE

Original sealed packaging of this product is guaranteed to be of first quality for 12 months if stored in a dry area. The high humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTIONS

BETO ACCELERATOR is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear gloves and goggles and to take the usual precautions taken for the handling of chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet. **PRODUCT FOR PROFESSIONAL USE.**

TECHNICAL DATA

Product identity

Composition	Inorganic Salt
Appearance	Liquid
Colour	Transparent yellow
Density	1.30 kg/Lt at +20°C
Alkali content (equivalent Na ₂ O) according to EN 480-12 (%)	≤ 2%
Total chloride ion content	≤ 0.10 %
pH-Value	approx. 9



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