



ISOXEL 5450

Set accelerating admixture

Characteristics

ISOXEL 5450 is a set accelerating admixture based on anorganic salts (free of chloride), which is specially formulated to reduce setting time and increase early strengths of concrete.

Technical Data

Additive:	Calciumnitrate/thiocyanate
Density (20 °C):	1,40 ± 0,03 g/cm ³
Cl-content:	≤ 0,10 M.-%
Na ₂ O-equivalent:	≤ 3,00 M.-%
Colour and form:	clear liquid
Recommended range of dosage:	0,2– 3,0 M.-% by weight of cement

Effects

- Reduction of setting time
- Increase of early strengths
- Reduction of workability time
- Slight plasticizing effect depending on type of cement
- Optimum dosage: 2,2 M.-% by weight of cement

Application

ISOXEL 5450 is used as an universal set accelerator for all cementitious systems.

Important note: Temperatures below < 5°C will stop the hydration process of cement. Therefore suitable curing is essential.

Admission

- **ISOXEL 5450** is permanently subject to internal factory production control.

Storage

Storage life is 12 months from date of manufacture if stored correctly (tightly closed at > +5 °C):

- Keep storage containers and tanks **tightly closed**
- Protect product from **frost, heat** and **direct sunlight**

Contact

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Note:

The raw materials used and the products manufactured by us are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!