

POLARSET[®] 400

Chloride-free, set accelerator based on nitrate Set accelerating admixture for concrete according to EN 934-2:T6

Product Description

POLARSET[®]400 is liquid set accelerating admixture for concrete and mortar.

Mode of Action

POLARSET 400 shortens the setting time of concrete, compensates for the set-slowing effects of cooler weather conditions, and contributes to the development of higher early strengths. POLARSET 400 can be used at temperatures above -15°C. The constituent materials should be heated, and the temperature of the fresh –concrete should be higher than +10°C. Only non-frozen aggregates should be used. The substrate, rebar, and molds should also not be frozen, and the concrete must be protected against frost.

Dosing and Special Information

Best results are obtained when added with the gauging water, or as the last component of the mix, and then mixed for a minimum of an additional 45 seconds.

Preliminary tests according to official national standards are always required before use!

Never pre-mix POLARSET 400 with any other admixture before they are dosed into the concrete!

Technical Data

Appearance	yellowish fluid
Density	approx. 1.25 ± 0.06 g/cm ³
pH-value	9.9 ± 1.0
Total chloride content	< 0,10 m.-%
Alkali content	< 5,0 m.-%
Storage	Keep original containers closed, protect from excessive heat and frost. Once frozen, material cannot be used.
Recommended Dosage	0.50–3.00 m.-% by cement mass
Physiological effect	May irritate skin and eyes; see SDS (Safety Data Sheet).
Shelf life	approx. 1 year in closed original containers

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