

# POLARSET<sup>®</sup> 400

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

## Product Description

POLARSET<sup>®</sup>400 is liquid set accelerating admixture for concrete and mortar.

## Mode of Action

POLARSET<sup>®</sup>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<sup>®</sup>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<sup>®</sup>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 <sup>3</sup>
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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