

# POLARSET® 400

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

## 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!**

Status: 11/13

## Technical Data

Form	Fluid
Colour	Yellowish
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	< 0,50 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.
Shelf life	approx. 1 year in closed original containers

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