



CEMENTOL® OMEGA P

Set-accelerating admixture, SIST EN 934-2:T6

FIELD OF APPLICATION

The product is intended for accelerating the setting time of concrete, cement mortars and cement-lime mortars. It is used in the preparation of pre-cast concrete elements and in concreting or building at low temperatures (down to -5°C), when the temperature of concrete / mortar does not fall below $+5^{\circ}\text{C}$.

ACCORDANCE WITH THE SIST EN 934-2 STANDARD

Property	Declared values with acceptable deviation
Appearance	white powder
Conventional dry material content	$(99 \pm 1) \%$
PH, 10 % solution	$6,5 \pm 1$
Water soluble chloride content (Cl^-)	Chloride free
Alkali content (Na_2O equivalent)	Alkali free

ACTION

Accelerates the hydration of cement minerals, thus reducing the setting time of concrete and mortars. Improves the workability of fresh concrete / mortar.

Cementol Omega P - set-accelerating admixture: influence on setting time at 20°C and 5°C

Cement mortar: SIST EN 480-1
Cement: CEM I 42,5 R

	Temperature ($^{\circ}\text{C}$)	Start of setting (min)	End of setting (min)	Criterion SIST EN 934-2:T6
Reference concrete/mortar	20	180	240	
3% of Cementol Omega P	20	140	190	≥ 30 min
Reference concrete/mortar	5	435	585	
3% of Cementol Omega P	5	210	295	$\leq 60\%$ of reference mix



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DOSAGE AND INSTRUCTIONS FOR USE

- Dose according to cement weight or, for mortars with lime according to binder weight (cement + lime): 1 - 3 % (1 to 3 kg per 100 kg of cement / binder).
- Add to the dry mixture of aggregate and binder, mix well and add water.

Note

- The effect of the product increases with the use of cement with higher hydration heat, higher cement content and lower water-cement ratio.
- A lower water-cement ratio can be achieved by adding **Cementol Delta EKSTRA** plasticizer or **Cementol Zeta** superplasticizer to the concrete mixture.
- When concreting in winter time, recommendations for winter concreting must be followed.

ADVANTAGES

- Faster conclusion of work.
- Energy needed for steam curing is saved.
- Enables concreting at temperatures down to -5°C.

PACKING

- 5 kg and 25 kg sacks.

STORAGE

- Store the product in dry places, protected from damage.
- In tightly closed and undamaged packaging, the shelf life of the product is min. 1 year from the production date.
- The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.

SAFETY PRECAUTIONS

When working with **Cementol Omega P**, general instructions for working with chemicals should be respected:

- Eating, drinking or smoking during work is prohibited.
- After finishing work, hands should be thoroughly washed with water.

NOTE

Instructions are given on the basis of examinations and technical experience of the firm. Due to specific conditions and work methods, preliminary tests are advised for every type of use, especially for complex, decorative (visible) mortars and plasters. Since we cannot influence the course of work, we cannot be held responsible for its quality.

Cementol Omega P Set-accelerating admixture meets the *SIST EN 934-2* standard requirements.