



CEMENTOL® OMEGA F - conc

**Hardening accelerating admixture,
SIST EN 934-2 : T7
with superplasticizing effect**



Tunnel Golo rebro.

FIELD OF APPLICATION

Cementol Omega F - conc. is a hardening accelerating admixture used in precast industry and for concreting at low temperatures providing that the concrete mass temperature doesn't drop below +5°C. It can be used whenever an accelerated hardening of concrete is required.

ACCORDANCE WITH THE SIST EN 934-2 STANDARD

Property	Declared values with acceptable deviation
Appearance	Brown liquid
Relative density, 20°C	(1,29 ± 0,03) kg/dm ³
Conventional dry material content	(45,0 ± 2,2) %
pH	6,5 ± 1
Water soluble chloride content (Cl ⁻)	Chloride free
Alkali content (Na ₂ O equivalent)	< 13,0 %

ACTION

- When added to concrete or mortar mixture, **Cementol Omega F - conc.** accelerates the hydration reactions of cement minerals and simultaneously strongly plastifies fresh concrete or mortar mixture. This enables preparing concretes with higher density, higher initial and final strengths and highly improved watertightness and durability. With lower water-cement ratio the hardening process is additionally accelerated.
- When using **Cementol Omega F - conc.** concreting is finished earlier, the energy needed for steam curing is saved and concreting at lower temperatures is enabled.

DOSAGE AND INSTRUCTIONS FOR USE

- Dosage: 1 - 2% of cement weight (1 to 2 kg per 100 kg of cement), depending on working conditions and required effects.
- **Cementol Omega F - conc.** can be introduced into the mixer diluted with mixing water or mixed into the already prepared fresh concrete mixture before concrete placing. In this case, a subsequent 4 - 5 minute mixing is required.

Warning

- The effects of **Cementol Omega F - conc.** increase with:
 - cements with higher hydration heat,
 - greater cement quantities,
 - lower water-cement ratio.
- When using **Cementol Omega F - conc.** the water-cement ratio can be lowered without using plasticizers or superplasticizers.
- Cold weather concreting is possible provided that all precautions for winter concreting are taken into account.

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PACKING

- 60 kg plastic cans, 220 kg drums, 1 m³ containers

STORAGE

- Storage should prevent any damage.
- In tightly closed and undamaged packaging, the shelf life of the product is min. 2 years 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

General instructions for working with chemicals should be observed when working with **Cementol Omega F - conc.**:

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

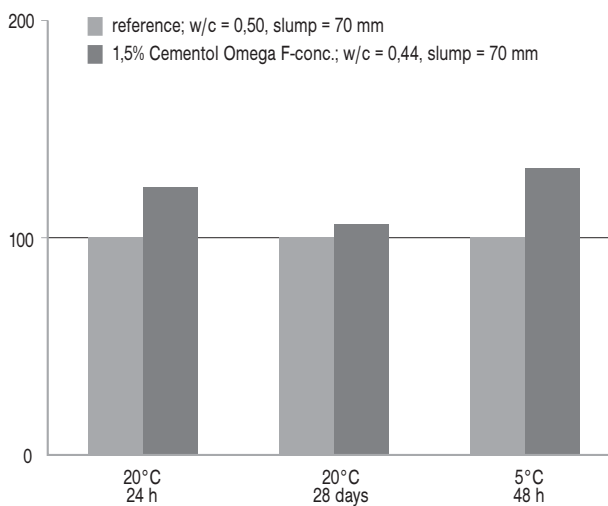
NOTE

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. Since we cannot influence the course of work, we cannot be held responsible for its quality.

Cementol Omega F - conc. - hardening accelerating admixture meets the *SIST EN 934-2* standard requirements.

Cementol Omega F - conc. - Hardening accelerating admixture
Conformity with SIST EN 934-2:T7
Effect on Compressive Strength (at equal w/c ratio)

Compressive strength I (%)



- Cement: CEM I 42,5R
 - Cement close: 350 kg/m³
 - Aggregate: 0-31 mm