TKK
CEMENTOL EXPERT
OMEGA P

CE

Set-accelerating admixture

AREA OF USE

Cementol Omega P accelerates the setting of concrete, cement, and extended mortars. Therefore, it is used in the production of pre-cast elements and concrete products, as well as in concreting and building at temperatures as low as -5 °C, while ensuring that the temperature of fresh concrete or mortar is at least +5 °C when installed.

It does not contain chlorides.

It does not affect the consistency of the fresh mixture, making it suitable for the production of all types of concrete and mortars.

TECHNICAL CHARACTERISTICS

Characteristic	Declared value
Appearance	White powder
pH, 5 % aq. solution	7 ±1
Water-soluble chloride content (Cl^-)	Chloride free
Alkali content (Na_2O equivalent)	Alkali free

COMPLIANCE

Cementol Omega P – set accelerating admixture complies with the requirements of the standards EN 934-1 and SIST EN 934-2 / T6.

ACTION

It accelerates the hydration of cement minerals, reducing the time required for concrete and mortars to set - it reduces the time required for the fresh cement mixture to transition from the plastic to the solid state.
The effect of the admixture is increased when cements with higher hydration heat or higher cement doses with a lower water-cement ratio are used in the mixtures.

DOSAGE AND INSTRUCTIONS FOR USE

The recommended dose is 1 – 3 % per weight of cement or per weight of binder (cement + lime in extended mortars) depending on the desired effects and working conditions.

Dose it into a dry aggregate-binder mixture, thoroughly mix it, and then add the mixing water.

When concreting in the winter, the recommendations for winter concreting must be followed. During casting, fresh concrete must have a temperature of at least +5 °C. Freshly installed concrete (free

surfaces) must be immediately protected with a suitable insulating material to prevent heat transfer from the concrete to the surroundings during hydration.

If another plasticizer or superplasticizer/hyperplasticizer is used concurrently with the set accelerator, the water-cement ratio in the fresh concrete mixture is reduced.

Cementol Omega P is compatible with many admixtures, such as: plasticizers from the Cementol Delta family, superplasticizers from the Cementol Zeta family, hyperplasticizers from the Cementol Hiperplast family, air-entraining admixtures from the Cementol Eta family.

Before using a higher number of admixtures in a concrete mixture, we advise prior examinations. In this case, they must be added to the concrete mixture separately (one after the other).

When designing a concrete mixture, we respect the requirements and principles of the EN 206 standard: Concrete - specification, performance, production and conformity, as well as the relevant national provisions.

During concreting and cuing of fresh concrete we respect the principles of good practice.

PACKAGING

25 kg bags, 850 kg big-bags

STORAGE

- Store the product in a dry and well-ventilated place. Keep it away from potential damage, water and moisture.
- A properly stored product has a shelf life of at least 2 years after the date of manufacture.
- The product may still be used after the date of expiry, but the characteristics important for the intended use have to be examined.

HEALTH, SAFETY AND ECOLOGY

When working with Cementol Omega P, wear protective gloves and eye protection. Follow the general instructions for working with chemicals: take care of cleanliness, do not eat, drink or smoke while working. After finishing work, wash hands thoroughly with water.
More information on safe handling and disposal of the product is available in the safety data sheet, which is provided on request, and is also available from the dealer or distributor where you purchased the product.

WARNING

Instructions and recommendations are given based on examinations in our laboratories and experience to date. Due to specific conditions and work methods, preliminary tests are advised for every type of use, for each individual case of use of the product alone, or in combination with other admixtures.

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