TKK
CEMENTOL EXPERT
# STABILIZATOR N

CE

Water retaining admixture

## AREA OF USE

Cementol Stabilizator N is a powdery admixture that reduces water secretion from concrete or mortar, preventing bleeding and/or segregation. It enables the preparation of cohesive, thixotropic concretes and mortars.

Due to its mode of action, it is particularly suitable for:

- Preparation of concretes and mortars with increased cohesion for underwater concreting, which greatly reduces cement paste washing out,
- Preparation of concretes and mortars with low water content at higher temperatures, as its water retention capacity reduces loss.

## TECHNICAL CHARACTERISTICS

| Characteristic | Declared value |
|---|---|
| Appearance | White to slightly yellowish powder |
| Water-soluble chloride content ($Cl^-$) | Chloride free |
| Alkali content ($Na_2O$ equivalent) | < 1.0 % |

## COMPLIANCE

**Cementol Stabilizator N** – water retaining admixture complies with the requirements of the standards EN 934-1 and EN 934-2 / T4.

## ACTION

Cementol Stabilizator N has a strong ability to retain water. Cement paste with the addition of a stabilizer is more cohesive and thus less susceptible to bleeding and washing out. Furthermore, the friction between cement and sand particles is reduced, resulting in excellent workability and buildability of concretes and mortars.

## DOSAGE AND INSTRUCTIONS FOR USE

The recommended dose depends on the purpose of use and the basic composition of the concrete:

- As an admixture for water retention: 0,08 – 0,12 % by weight of cement
- As an admixture for underwater concreting: 0,08 – 0,4 % by weight of cement

To determine the exact dosage, preliminary tests must be performed with the materials that will actually be used under the same temperature conditions. In exceptional cases, a higher dosage may be used based on preliminary tests if it is confirmed that it will not have an adverse effect on the other properties of the concrete.

It is dosed into a dry aggregate and cement mixture and thoroughly mixed for at least 30 seconds before adding water. The mixing water is then added, and the mixture is mixed for at least 45 seconds.

Cementol Stabilizator N 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, and air-entraining admixtures from the Cementol Eta family.

Before using a higher number of admixtures in a concrete mixture, we advise preliminary tests. 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 curing of fresh concrete we respect the principles of good practice.

## PACKAGING

25 kg bags

## STORAGE

- Store the product in its sealed packaging 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!

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