



CEMENTOL® DELTA EKSTRA W

Plasticizing admixture, SIST EN 934-2: T2



Fountain at the column on viaduct Črni kal.

FIELD OF APPLICATION

The product is used for general improvement of concrete quality. **Cementol Delta EKSTRA W** can delay the initial hydration of cement (depending on the dosage) without substantially modifying the hardening process, so that an increase in strength is obtained in proportion to the reduction of mixing water. The latter varies between 5 to 10% depending on the dosage of **Cementol Delta EKSTRA W**. Increased workability and easier placeability is achieved by adding **Cementol Delta EKSTRA W** without lowering the water-cement ratio.

ACCORDANCE WITH THE SIST EN 934-1 STANDARD; Table 1

Property	Declared values with acceptable deviation
Appearance	Dark brown liquid
Relative density, 20°C	(1,21 ± 0,03) kg/dm ³
Conventional dry material content	(40,5 ± 2,0) %
pH	9,5 ± 1
Water soluble chloride content (Cl ⁻)	Chloride free
Alkali content (Na ₂ O equivalent)	< 9,0 %

ACTION

When added to the concrete mixture, the admixture is absorbed into the cement particles, thus favouring the dispersion of cement agglomerates. Consequently the flow of cement particles is easier and a higher flowability of the mixture is therefore obtained. The improved cohesion of concrete with **Cementol Delta EKSTRA W** reduces segregation and bleeding of concrete.

DOSAGE AND INSTRUCTIONS FOR USE

- Dosage: 0,2 - 0,4% of cement weight (0,2 to 0,4 kg per 100 kg of cement) depending on the w/c ratio and required consistency. It's proved that dosages up to 0,6 % of cement weight can be used (higher water reduction, higher temperatures, etc.).
- **Cementol Delta EKSTRA W** must be diluted with mixing water and then added to dry concrete mix. The proportion between plasticizer and water has to be min. 1:5 (1 l of plasticizer to 5 l of water).

Warning

Added to certain types of cement, **Cementol Delta EKSTRA W** may cause slower cement setting and consequently slower concrete setting if the dosage exceeds 0,6% of the cement weight. When using the product for this purpose, preliminary tests are obligatory.

ADVANTAGES

- Faster conclusion of the job.
- Energy saving.
- Increase in concrete strength.
- General improvement of concrete quality and durability.

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DELTA EKSTRA W**
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PACKING

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

STORAGE

- Store the product in tightly closed packaging at temperatures between +5°C and +35°C. Protect from damage, freezing and direct sunlight.
- 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 Delta EKSTRA W**:

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

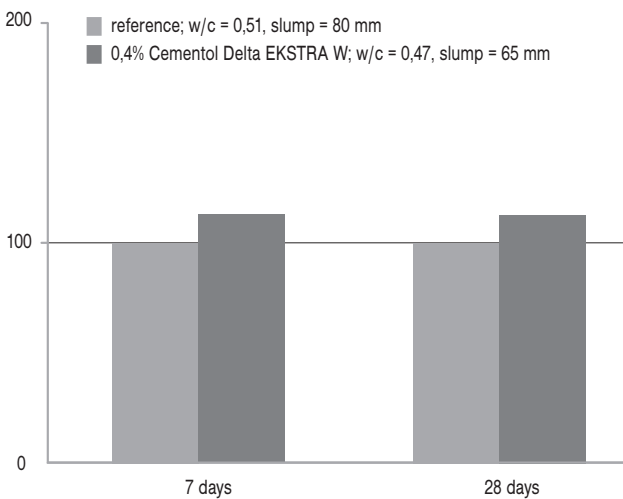
NOTE

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 Delta EKSTRA W- plasticizing admixture meets the SIST EN 934-1 and SIST EN 934-2 standards requirements.

Cementol Delta EKSTRA W - Plasticizing 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