



CEMENTOL® AC 1

Set-accelerating admixture for aluminate cement

FIELD OF APPLICATION

Cementol AC 1 is a powdered chemical admixture intended for the preparation of quick-setting mortars on aluminate-cement basis.

Quick-setting mortars with high initial strength, prepared with **Cementol AC 1**, are used for:

- closing small water leaks,
- repair works on walkable surfaces,
- repair works at low temperatures etc.

ACTION

- **Cementol AC 1** strongly accelerates cement setting, thus notably reducing the setting time of mortar. The setting time also depends on the temperatures of cement, sand, mixing water and of the environment. Low temperatures retard the setting whereas high temperatures accelerate it.
- The strength of mortars prepared with **Cementol AC 1** arrives at ca. 20 MPa after 2 hours, depending on type of cement, water-cement ratio and temperatures.
- Mortars prepared with **Cementol AC 1** adhere well to both dry and moist surfaces.

Note

- **Cementol AC 1** does not contain chlorides.
- **Cementol AC 1** has no effect on portland cement!
- When mixing mortars with **Cementol AC 1**, you have to mix only as much material as you can prepare and place before the mortar sets.
- For each new cement shipment we recommend a new test to establish the optimal dosage of the product.
- For mixtures rich with aluminate cement ($\geq 50\%$), extra care (wetting, appropriate dosage) should be taken to prevent cracking because of fast reaction - heat release.

DOSAGE AND INSTRUCTIONS FOR USE

- Dose on cement weight 0,1 - 0,2 % (0,1 to 0,2 kg per 100 kg of cement), depending on required effects, type and age of the cement and working conditions.
- Introduce the product into the dry mixture of aluminate cement and sand, mix well and add the required quantity of mixing water.

PACKING

- 10 kg sacks

STORAGE

- Store the product in tightly closed packaging in dry and ventilated places. Protect from damage and humidity.
- 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.



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SAFETY PRECAUTIONS

Cementol AC 1 irritates the eyes, therefore protective gloves and goggles must be worn when handling the product. In case of eye contact, thoroughly rinse the eyes with water and seek medical help.

General instructions for working with chemicals should be observed when working with **Cementol AC 1**:

- 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.