



PRODUCT No. : 3.108

## ACELCONS

### SETTING PROMOTER FOR MORTAR AND CONCRETE

#### CHARACTERISTICS:

**ACELCONS** is a brown-coloured, liquid admixture, with a density of 1,26 kg/l. It's completely chloride free, thus not causing corrosion on iron framework in case of reinforced concrete. It's an alkaline product, thus being necessary to protect the hands when handling by wearing rubber gloves.

#### USES:

**ACELCONS** is a setting promoter for weak pressure or minimum water flow. It's recommended in rendering where quick setting is required or to prevent leaching in immersed concrete. In cases where affluence of water is great, in order to reduce it it's recommended to use our **PROQUICK**, water leakage cover.

#### DOSES:

The optimum doses of **ACELCONS** will depend on the composition of mortar or concrete and on the required setting speed, not being possible to determine the doses. In every case, it's necessary to make a previous test with the mortar or concrete to be used. As an idea and according to the tests carried away in our laboratories with **ACELCONS** mixed with PORTALND cement without sand, the times of setting start and finish are as shown in the following table, depending on the dilution and dose:

Dilution ACELCONS : Water	Setting start	Setting finish
1 : 0	2 minutes	4 minutes
1 : 3	3 minutes	10 minutes
1 : 5	6 minutes	20 minutes

#### METHOD OF USE:

##### \*\* Rendering with weak water pressure:

- The support must be clean and rough.
- The dilution of **ACELCONS** will depend on the water pressure. In general, it's recommended one part of **ACELCONS** every 3-5 parts of water (volume)

##### \*\* In immersed concrete or for speeding-up concrete setting:

- Prepare all the necessary elements for a quick application.
- Use a cement dose of at least 300 kg (it's better to use 350 kg minimum) per m<sup>3</sup> of concrete.
- Dilute **ACELCONS** in water about 1 part of product every six parts of water (volume), using this dilution as mixing medium.
- Prepare small amounts of concrete and apply them immediately. The mentioned doses represent about 20-25 kg of **ACELCONS** per m<sup>3</sup> of concrete.



**\*\* As general work promoter:**

- Supports should be clean and rough.
- The dilutions of **ACELCONS** to be used will depend on the desired setting speed. In general, the dilutions are of 1 part **ACELCONS** with 4-6 parts of water (volume)

**PRECAUTIONS:**

**ACELCONS** is a caustic product, so it's recommended to protect hands while handling by using rubber gloves, and also protect eyes with suitable goggles in order to avoid splashes. In case of splashing, wash immediately with plenty of water and a solution of boric acid. In case of splashes on clothes, take them off immediately and wash them before using again.

Store **ACELCONS** always in the original containers, in order to avoid possible mistakes. In cases where the change is unavoidable, it's recommended to mark them visibly.

**PACKAGING AND STORAGE:**

**ACELCONS** is packaged in 30 and 60 kg original, non-reusable, plastic containers.

Kept in the original container, tightly closed, the storage life is practically unlimited. It's freezing point when pure is about  $-20^{\circ}\text{C}$ .

**ADVANTAGES**

- Low doses.
- Allows reducing moulding times.
- Speeds-up concrete and mortar setting.

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