



la marque  
du bâtiment

# AXEL POUDRE

Powerful powder set accelerator

## 1. PRESENTATION

Used for cold weather concreting. Powerful chlorinated powder set accelerator, fully soluble in water. **AXEL POUDRE** accelerates cement hydration reactions and enables the quick development of mechanical strength. The hydration heat generated upon its dilution in water keeps concrete from freezing over the period during which its mechanical strength develops.

Use **AXEL POUDRE** when the temperature is comprised between 4°C and 18°C. It becomes necessary to add **AXEL POUDRE** when the temperature is below 4°C.

## 2. ADVANTAGES

- Accelerates the setting time.
- Improves the development of resistance to early ageing (the resistance in 1 day can increase up to 100%).
- Allows for a faster rotation of formwork.
- Improves the impermeability of concrete and mortar.
- Ease of use.
- Antifreeze effect on the mixing water.
- Finish (smoothing, scraping, floating) of mortars and coatings shortly after application.
- Protects concrete down to -10°C, once the cement has set.
- Increased production rates.

## 3. AREAS OF APPLICATION

- Cold weather concreting.
- Coatings.
- Mortars.
- Prefabrication (blocks, paving, curbs)

## 4. INSTRUCTIONS

Dissolve **AXEL POUDRE** in the mixing water.

Reseal the bags after use.

Average dosage:

**Concrete and mortar:**

1 dose of 105 g / bag of cement of 35 kg.

**Hydraulic lime:**

2 to 3 doses for 50 kg of lime.

**Non-hydraulic lime:** Ineffective.

For monolayer coatings, dosage depends on the total quantity of hydraulic binder (cement + hydraulic lime). In general, one dose is enough for 3 bags of coating of 30 kg.

Preliminary tests are recommended to determine the optimal dosage, since the latter varies with the ambient temperature during setting time, the type and quantity of binder used, the mass implemented and the desired acceleration of the setting time.

EURO DORTHZ PRODUCTION

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## **Safety precautions:**

Must be used with absolute observance of the rules regarding cold weather concreting.

In winter, favour the use of wooden formwork, since it is less sensitive to cold temperatures.

The aggregates and formwork used must not freeze and shall be stored under cover.

Fresh concrete shall be protected from the wind and must keep the heat generated through the use of tarpaulins (thin plastic film excluded).

A thin layer of coating or concrete can quickly freeze if the weather conditions worsen (wind and sharp drop in temperature).

**Do not use a cement dosage below 350 kg/m<sup>3</sup>.**

**Do not use in prestressed concrete, concrete for heated floors, vessels, tanks, concrete in contact with galvanised steel, magnesium or aluminium.**

## **5. CHARACTERISTICS**

Appearance: white powder.

## **6. SAFETY OF USE**

- Store the product away from frost, between +5°C and +30°C.
- Store away from moisture (the product can set through and harden).
- Irritant.
- Gloves, safety glasses and a protective mask must be worn (risk of burns in some cases).
- Must be used according to the provisions of French DTU 21-4, which regulates the conditions of use of chlorinated additives.
- Shelf life: 2 years in its unopened original packaging.

*The details provided in this Data Sheet are given in good faith, for information purposes only. They shall not in any case constitute a guarantee on our part, or engage our responsibility when using our products. This Data Sheet supersedes all previous versions. Compagnie France Chimie reserves the right to make changes to its products and to this data sheet without prior notice. Our clients shall ensure, before any implementation, that these instructions have not been replaced by a more recent version that takes into account new technical data.*

**Product solely intended for professional use.**

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