



Cimaccel 112

Setting Accelerator

Cimaccel 112 is a *chlorinated* setting accelerator for concrete and mortar.

Its incorporation into the concrete enables :

- Greater short term mechanical resistances that increase the demoulding and form removal rhythm,
- By cold weather, an accelerated initial set of the concrete that gives a better protection against frost effects on green concrete and a stable working coefficient for forms.

CHARACTERISTIC VALUES

- Light yellow liquid, slightly turbid
- Density at 20°C :
1.450 kg/dm³ ± 0.030
- pH : 8.0 +/- 1.5
- Dry matter : 50.0 % ± 2.5 % (halogen)
- Na₂O_{equivalent} : ≤ 1.50 %
- Cl- content : ≤ 17.50%
- Freezing temperature point : lower than -15°C.
- Viscosity :
 - at 20° C ≈ 25 cP
 - at 5° C ≈ 35 cP
- Corrosion effect : PND
 - contains components only taken from EN 934-1 : 2008 Annex A1.

FIELD OF APPLICATION

Cimaccel 112 is a must for pouring concrete by cold weather, for pouring concrete that requires quick form removal for prefabrication with or without steam curing (concrete blocks, kerbs, pipes, environmental products etc...).

Do not use in prestressed concrete. Frozen aggregates must be avoided.

Cimaccel 112 is compatible with all cement types (except alumina cement) but the dosage will vary according to the type used.

DIRECTIONS FOR USE

Cimacel 112 should be added to the gauging water and can be used easily in all mixing plants or directly into the concrete with a good mixing.

DOSAGE

According to the acceleration effect desired, from 0.7 to 3 kg per 100 kg of cement.

The dosage shall be adapted to each specific case and shall be defined according to research and suitable tests carried out under building site conditions (temperature and route).

Cimacel 112 is a chlorinated accelerator. Please abide by the current rules. The chlorine ions are known to be harmful to metallic structures.

PRECAUTIONS FOR USE

- **Cimacel 112** can bear several frost/melting cycles without damage but should be entirely thawed and re-homogenized before use.
- A slight deposit can progressively appear at the bottom of the product storage tanks.
- This does not alter **Cimacel 112** performances in any way.

SAFETY

- **Cimacel 112** is irritating for the eyes and skin. Wear adapted protection equipment.
- During gauging, the product can free a slightly ammonia smell without any danger. It is nevertheless recommended to regularly aerate the premises where the product is used.
- In all cases, refer to the material safety data sheets.

PACKAGING

- Bulk
- Tanks of 1000 liters.
- Barrels of 200 liters.
- Kegs of 30 liters.

SERVICE LIFE

- Expiration date : 2 years as of manufacturing date.

*The material technical and safety data sheets can be consulted on our internet site :
<http://www.axim.fr>*