



Cimaccel Presto

Non Chlorinated Setting Accelerator

Cimaccel Presto is a *non 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

- Colorless liquid, slightly turbid
- Density at 20°C :
1.450 kg/dm³ ± 0.030
- pH : 7.0 to 1.0
- Dry matter (NF EN 480-8) :
58.5% ± 2.9 %
- Dry matter (halogen) :
50.0% ± 2.5 %
- Na₂O_{equivalent} ≤ 2.9 %
- Cl - content : ≤ 0.10 %
- Freezing temperature point :
lower than -15°C.
- Corrosion effect : PND
Contains the following EN 934-1
components : 2008 Annex A2 :
 - Thiocyanates,
 - Nitrates.Also contains an EN 934-1
component : 2008 Annex A1.

FIELD OF APPLICATION

Cimaccel Presto 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, etc...).

Frozen aggregates must be avoided.

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

T°C	Dosage	CEM I 42.5 R	CEM I 52.5 R
5°C	Control	12:30	9:08
	Cimaccel Presto at 1.5%/pdc	6:40	5:28
	Cimaccel Presto at 3%/pdc	4:40	2:00
10°C	Control	10:00	4:03
	Cimaccel Presto at 1.5%/pdc	5:18	2:26
	Cimaccel Presto at 3%/pdc	3:31	1:58

Example of results : time comparison between the different setting beginnings obtained with different CEM I and Cimaccel Presto – tests carried out on CEN mortar

DIRECTIONS FOR USE

Cimaccel Presto 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.

TEST RESULTS

See the table above.

DOSAGE

According to the acceleration effect desired, from 1 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).

PRECAUTIONS FOR USE

- **Cimaccel Presto** can bear several frost/melting cycles without damage but should be entirely thawed and re-homogenized before use.

SAFETY

- **Cimaccel Presto** is irritating for the eyes and skin. Wear adapted protection equipment.
- A slight deposit can progressively appear at the bottom of the product storage tanks. This does not alter Cimaccel Presto performances in any way.
- 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>