TECHNICAL DATA SHEET

Chryso Concrete Solutions

17/10/2024

CHRYSO®Xel C105

Set Accelerator

DESCRIPTION

- **CHRYSO®Xel C105** accelerating admixture is based on calcium chloride. It is supplied as a clear solution, which instantly disperses in water.
- **CHRYSO®Xel C105** enhances the early stages of cement hydration, producing more rapid stiffening and hardening. This allows final finishing or formwork stripping to begin at an earlier age without damaging the concrete surface.

BENEFITS

- Accelerated stiffening allows earlier demoulding and faster turnaround of moulds
- Assists in overcoming delays in concrete finishing caused by cold weather
- Allows finishing to begin at an earlier stage

PHYSICAL and CHEMICAL PROPERTIES

Product Nature	Liquid
Color	Clear to Light Yellow
Cl^- Ions content	≤ 0,100 %
pH	4,00
Specific Gravity	1.230
Chloride Content	Yes
Air Entrainment	<1%
Alkali content	<5.0 g Na_2O = l

PACKAGING

- 25 ℓ jerry can
- 200 ℓ drum
- 1000 ℓ flow bin
- Bulk delivery on request

METHOD OF USE

- **CHRYSO®Xel C105** can be used with all types of ordinary Portland cements and cement replacement materials such as PFA, GGBFS and silica fume.
- To accelerate stiffening and early hardening of concrete and mortar that do not contain embedded metal.
- To accelerate the stiffening and early age strength development of trench fill systems.

Dosage :

- The optimum dosage of **CHRYSO®Xel C105** to meet specific requirements should always be determined outside the typical ranges quoted may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available.
- **CHRYSO®Xel C105** is compatible with other CHRYSO® admixtures used in the same concrete mix.
- All admixtures should be added to the concrete separately and must not be mixed together before addition.
- The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is obtained.

SAFETY

- For more information refer to the material safety data sheet.

Prior to any use, please read carefully the Material Safety Data Sheets.

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