

CHRYSO®Xel 680 EMX

Set Accelerator

DESCRIPTION

- **CHRYSO®Xel 680 EMx** unique formulation accelerates the hardening of concrete without impacting workability retention.
- **CHRYSO®Xel 680 EMx** fastens the hydration reaction of cement, especially at low temperature. Early strength development is accelerated therefore improving concrete resistance to freeze at low temperatures.
- **CHRYSO®Xel 680 EMx** is recommended for blended cements such as CEM III.

BENEFITS

- **CHRYSO®Xel 680 EMx** does not contain any chloride.
- When used in combination with CHRYSOFluid Optima range, **CHRYSO®Xel 680 EMx** allows for the production of superior slump retention, high early strengths concrete.
- **CHRYSO®Xel 680 EMx** is particularly adapted to early mould-release. It allows for productivity gains through pouring/stripping cycle time reduction. Moreover, time and temperature of steam-curing can be optimised.

PHYSICAL and CHEMICAL PROPERTIES

Product Nature	Liquid
Color	Light brown
Lifetime	12 months
Water solubility	miscible
Halogen Dry Extract	60,00 % ± 2,00
Cl ⁻ Ions content	≤ 0,100 %
Dry extract (EN 480-8)	60,00 % ± 2,000
Specific Gravity (@25°C)	1.45 ± 2
pH	6.5 ± 1
Viscosity	8 - 15 secs (Ford #4 Cup)

Standards

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to NF 085 certification, which technical specifications are those applied in the non harmonised part of NF EN 934-2.

METHOD OF USE

Domains of application

- CEM III
- All Portland cement types
- Cold weather concreting
- Any concreting requiring important early strengths
- Ready-mix concrete
- Prestressed concrete
- Precast

Dosage :

0.8 to 3.0 kg per 100 kg of cement.

- The targeted plasticity determines the quantity of water to be used.
- A 2.0% dosage of the product of the weight of cement or binder is commonly used
- This product must be added to the mixer with the mixing water.
- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics and the required mechanical performances of the concrete.

PRECAUTIONS

- Do not mix with acid products.

SAFETY

- This product is classified as "harmful".
- In case of exposure, it may cause poisoning.
- Do not inhale vapours.
- It is compulsory to wear the appropriate protective equipment (safety glasses, gloves,

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. za.chryso.com

CHRYSO Southern Africa (Pty) Ltd - Gauteng (head office): 26 Malcolm Moodie, Crescent, Jet Park, South Africa Tél.: +27 (0) 113959700

TECHNICAL DATA SHEET

CHRYSO® Xel 680 EMX

Set Accelerator



Chryso
Concrete
Solutions

17/10/2024

PACKAGING

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

mask and/or covering clothes) according to the exposure.

- Before use, refer to the safety data sheet on our internet site www.chryso.com

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

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