

Chryso® Xel 650

Set accelerating admixture
Chloride-free

DESCRIPTION

Chryso® Xel 650 is a chloride-free set accelerating admixture designed to promote the early stages of cement hydration, particularly in low-temperature conditions. By accelerating the initial chemical reactions within the cement matrix, it significantly reduces setting time and enables earlier strength development in concrete.

The product is especially suited to cold weather concreting, where slower hydration can delay construction processes. By improving early compressive strength, Chryso® Xel 650 helps maintain productivity and supports reliable performance in challenging environmental conditions.

Chryso® Xel 650 is suitable for a wide range of applications, including ready-mix, precast, prestressed, and poured concrete. Its compatibility with all cement types and low alkali content make it a flexible solution for different mix designs while maintaining consistent performance.

BENEFITS

- Accelerates early cement hydration, especially in low temperatures
- Reduces concrete setting time for faster progression on site
- Improves early-age compressive strength development
- Supports cold weather concreting and site productivity
- Compatible with all cement types for flexible mix design
- Suitable for ready-mix, precast, prestressed, and poured concrete
- Chloride-free formulation reduces corrosion risk
- Low alkali content supports controlled mix performance

FIELDS OF APPLICATION

- All cement types
- Cold weather concreting
- Ready-mix concrete
- Prestressed concrete
- Precast
- Poured concrete

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Orange-yellow
Lifetime	18 months

SPECIFICATIONS

Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 2,70 %
Specific gravity	1,450 ± 0,010

METHOD OF USE

Dosage :

0.4 to 2.5 kg for 100 kg of cement.

- A dosage of 1.5% by weight of cement is commonly used.
- This product is completely miscible in water.
- This product must be added to the mixing water or at the end of the mixing cycle.
- 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.

NORMATIVE AND REGULATORY INFORMATION

- 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.

SAFETY

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com.

TECHNICAL DATA SHEET



Chryso
Concrete
Solutions

24/06/2026

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pH	6,00 ± 1,00
Freezing Point	-15 °C
Dry extract (EN 480-8)	61,50 % ± 2,700

PACKAGING

- 20 L bucket
- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

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.

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