

CHRYSO®XeI 650

Set accelerating admixture



CHRYSO®XeI 650 is a chloride-free based set accelerating admixture which helps the first reactions of hydration, especially at low temperature.

CHRYSO®XeI 650 significantly reduces setting time and improves early compressive strengths.

CHRYSO®XeI 650 is low in alkali.

Indicative characteristics

- Nature: liquid
- Colour: Brown
- Shelf life: 18 months

Specifications

- Specific gravity (20°C): $1,450 \pm 0,010$
- pH: $6,00 \pm 1,00$
- Solid content (EN 480-8): $61,50\% \pm 2,70\%$
- Na₂O equivalent: $\leq 2,70\%$
- Cl⁻ ions content: $\leq 0,10\%$

Norms and regulations

- 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.
- This product conforms to NBN-EN 934-2 Belgium.
- The product's BENOR certification indicates that, on the basis of an external periodic inspection, there is a sufficient level of confidence -
- that the licensee is in a position to ensure continuous product conformity as laid down in technical specifications of the product.

- This BENOR data sheet contains the characteristics performances declared by the manufacturer and is checked by the certification organization.

Domains of application

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

Precautions

Do not mix with acid products.

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.

Tests

Examples of results according to the modes defined in the European NF-EN 480-1 standard. Concrete with CEM I 42,5 (SSB: 3200-4000 cm²/g and C³A: 7-11 %).

Trials made at constant workability.

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	W/C and T°C	Initial set	Final set	Setting time
Control	0.5 to 5°C	650 min	1380 min	730 min
CHRYSO®XeI 650 at 1.7%	0.5 to 5°C	300 min	778 min	478 min
	0.5 to 20°C	200 min	345 min	145 min

Construction sites references

Viaduct of Barrails, France: prestressed concrete ring segments.

Safety

Before use, refer to the Material Safety Data Sheet.

The MSDS is available on www.chryso.com



The information contained in this technical data sheet is given to the best of our knowledge and the result from extensive testing - which were conducted in order to remain as objective as possible. However, it cannot, in any case, be considered as a warranty involving our liability in case of misuse or any different use of our products, other than those from the «Application» paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Please enquire for the most recent version of the technical data sheet, available on www.chryso.com.

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