CHRYSO[®]Xel 650 Set accelerating admixture



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

CHRYSO[®]Xel 650 significantly reduces setting time and improves early compressive strengths. CHRYSO[®]Xel 650 is low in alkali.

Indicative characteristics

- Nature: liquid
- Colour: Orange-yellow
- Shelf life: 18 months

Specifications

- Specific gravity (20°C): 1,450 ± 0,010
- PH: 6,00 ± 1,00
- Solid content (EN 480-8): 61,50% ± 2,70%
- Solid content (24h-105°C): 60,00% ± 2,60%
- Na₂O equivalent: ≤ 2,70%
- Cl⁻ ions content: ≤ 0,10%
- Freezing point: -15 °C

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.

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 1.5% dosage of the product of the 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.

	W/C and T°C	lnitial set	Final set	Setting time
Control	0.5to5°C	650 min	1380 min	730 min
CHRYSO®Xel 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



CHRYSO[®]Xel 650 Set accelerating admixture

Construction sites references

Viaduct of Barrails, France: prestressed concrete ring segments.

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 equipement (safety glasses, gloves, mask and/or covering clothes) according to the exposure.

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



The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing 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 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 output is the satisfactory of the product of the product are satisfactory. Technical assistance is at the disposal of the users. Please enquire for the most recent version of the technical datasheet, available on **www.chryso.com**



CHRYSO S.A.S. - 19 Place de la Résistance - 92446 issy les Moulineaux cedex - France - Tel : +33 (0)1 41 17 18 19 - Fax : +33 (0)1 41 17 18 80 www.chryso.com