



# CHRYSO® Xel 650

## Set Accelerating Admixture

NBN EN  
934-2

BENOR

04/04



### Description

**CHRYSO® Xel 650** is a non chloride based set accelerating admixture which helps the first reactions of hydration especially at low temperature. **CHRYSO® Xel 650** reduces significantly setting time and improves early compressive strengths.

**CHRYSO® Xel 650**, has a low alkaline content.

### Characteristics

- ◆ Nature: liquid
- ◆ Colour: Orange yellow
- ◆ Density:  $1.450 \pm 0.010$
- ◆ pH:  $6 \pm 1$
- ◆  $\text{Na}_2\text{O}$  eq:  $\leq 2.7 \%$
- ◆ Freezing point:  $-15^\circ \text{C}$
- ◆ Ions  $\text{Cl}^-$  content:  $\leq 0.10 \%$
- ◆ Dry extract (EN 480-8):  $61.5 \pm 2.7 \%$
- ◆ Dry extract (24h-105°C):  $60.0 \pm 2.6 \%$

### Packaging

Bulk  
Barrels: 215 L  
Drums: 60 L

### Conformity

**CHRYSO® Xel 650** is a set accelerator which conforms to CE marking. The appropriate declaration can be found on our internet site.

**CHRYSO® Xel 650** also conforms to NF085 certification, whose technical specifications are those applied in the non harmonized part of the NF EN 934-2.

**CHRYSO® Xel 650** is a set accelerator which conforms to Belgian NBN EN 934-2 standard.

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### Method of use

#### Areas of application

- Compatible with all types of cement
- Moulded concrete
- Prestressed concrete
- Precast
- Ready Mixed Concrete
- Cold weather concreting

#### Directions for use

Dosage rate: 0,4 à 2,5 kg per 100 kg of cement. A 1.5% dosage of the product by the weight of cement is commonly used.

**CHRYSO® Xel 650** is completely water-soluble. It must be preferably added to the mixing water or directly in the mixer before emptying.

Practical evaluations with **CHRYSO® Xel 650** are necessary to establish optimum dosage/performance, taking into account local workability properties and mechanical strength required.

### Precautions

Do not mix with acid products.

Shelf life: 18 months.

### 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  $\text{cm}^2/\text{g}$  and  $\text{C}_3\text{A}$  : 7-11 %).

Trials made at constant workability.

	WC and T°C	Initial Set	Final Set	Setting Time
Control	0,5 à 5°C	650 min	1380 min	730 min
CHRYSO® Xel 650 at 1,7 %	0,5 à 5°C	300 min	778 min	478 min
	0,5 à 20°C	200 min	345 min	145 min



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#### SAFETY

**CHRYSO® Xel 650** is a product classified as « Irritating ». Any contact with the eyes and skin can cause irritation. Whilst handling, it is compulsory to wear normal protective equipment (goggles, gloves and mask).

For further information, please refer to the safety data sheet on our web site [www.chryso-online.com](http://www.chryso-online.com).

*The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.*

*"Please enquire for the latest update"*

*Last update : 06/05*