



CHRYSO® Fluid Optima 100

SUPER Plasticiser and Secondary Setting Retarding

DESCRIPTION

CHRYSO® Fluid Optima 100 is a new generation polymer based on modified phosphonates. It's specially designed molecular structure gives it exceptional properties as a concrete additive.

Use of **CHRYSO® Fluid Optima 100** results in plastic conditions being maintained for an extended time at all levels of consistency, with respect to standard additives.

CHRYSO® Fluid Optima 100 is compatible with the majority of types of cement. In most cases, it is the solution when there is a problem of compatibility between the cement and the additive. Due to its characteristics, **CHRYSO® Fluid Optima 100** is a superplasticiser particularly adapted for use on construction sites and in the ready mix concrete industry

Characteristics:

- Nature : Liquid
- Density : 1.06
- Colour : White / yellow, slightly milky.
- pH : 4 ± 0.5
- Freezing point : about -3°C
- Cl- ions content : < NIL
- Na₂O equivalent : < 0.3%
- Dry extract : 30%

Packaging:

CHRYSO® Fluid Optima 100 is supplied in 25ltr and 200ltr non-returnable drums.

DIRECTIONS FOR USE

Areas of use:

- High performance and very high performance concrete.
- Extended workability concrete.
- Pumped concrete.
- Pre-stressed concrete.
- Highly reinforced concrete.

Use:

Dosage: 0.3 to 5kg per 100kg of cement.
Dosages less than the minimum has no notable effect on the concrete. A 1% dosage of the product to the weight of cement is commonly used.

CHRYSO® Fluid Optima 100 is completely miscible in water and must be added to the mixing water in one dose, before adding to the mixer; do not split the addition through the mixing cycle.

Depending on the use, it is possible to use **CHRYSO® Fluid Optima 100** at the same time as other **CHRYSO®** additives. The optimum dosage of **CHRYSO® Fluid Optima 100** can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required from the concrete.

Precautions:

After freezing and thawing the properties can be recovered by agitation.

Safety:

CHRYSO® Fluid Optima 100 is not considered dangerous but it is recommended that normal industrial precautions are taken : gloves, goggles.



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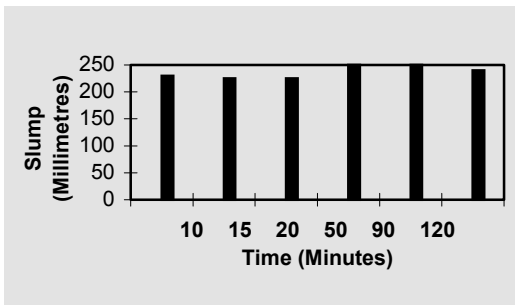
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Tests:

Maintain of plasticity

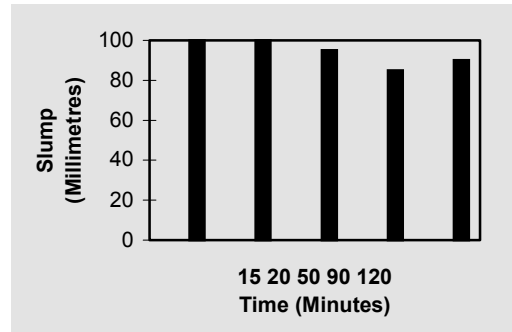
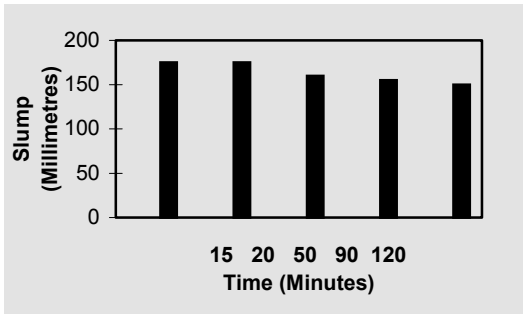
Cement grade III 32,5

1,5% dosage of CHRYSO® Fluid Optima 100



Cement grade II 32,5

0,6% dosage of CHRYSO® Fluid Optima 100



Cement grade I 52,5

0,8% dosage of CHRYSO® Fluid Optima 100

The information contained in this document is given to the best of our knowledge and 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.