



CHRYSO® Fluid Optima 175

Superplasticizer – High Range Water Reducer



Description

CHRYSO® Fluid Optima 175 is a new generation superplasticizer based on polycarboxylate and phosphonate modified.

It is developed to reduce water contents considerably and / or increase the workability of the concrete, yet maintain the workability of fresh concrete without compromising the setting time.

CHRYSO® Fluid Optima 175 is especially adapted to readymix and fluid concretes which require high short and long term strengths.

Characteristics

- ◆ Nature: liquid
- ◆ Colour: white / yellow
- ◆ Bulk density: 1.055 ± 0.010
- ◆ pH: 6 ± 1
- ◆ Na₂O equiv. $\leq 1 \%$
- ◆ Cl⁻ ion content: nil to BS 5075
- ◆ Dry extract (EN 480-8): 30.5 ± 1.5
- ◆ Dry extract (24h, 105°C): 30.0 ± 1.5

Packaging

Bulk
Barrels: 215 litres
Drums: 60 litres

Conformity

CHRYSO® Fluid Optima 175 is a superplasticizer – high range water reducer which conforms to CE marking. The appropriate declaration can be found on our internet site.

CHRYSO® Fluid Optima 175 also conforms to NF085 certification, whose technical specifications are those applied in the non harmonized part of the NF EN 934-2.

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Applications

Fields of application

- All types of cement
- Extended workability concretes
- Readymix
- White or pale concretes
- High performance and very high performance concretes
- Plastic, super-plastic and fluid concretes
- Highly reinforced concretes
- Slabs and industrial flooring

Directions for use

Dosage: between 0.3 kilos and 3 kilos per 100 kilos of cement.

The normal dose is 1 % of the weight of the cement.

It is preferable to add **CHRYSO® Fluid Optima 175** to the water before mixing the concrete.

In all cases the mixture must be sufficiently mixed to obtain a homogenous concrete.

Precautions

Store away from frost.

Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.

Do not store the product at high temperatures for long periods.

Shelf life: 9 months.



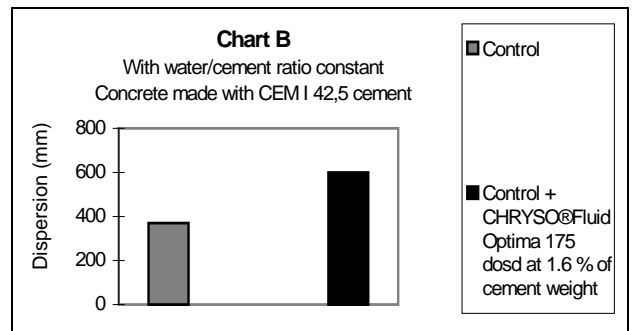
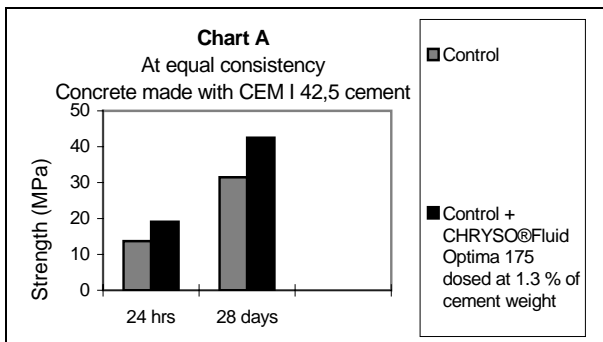
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Tests

These results were obtained following the methods defined by the ISO 4012 norm (strength tests, chart A) and the EN 12358 norm (consistency tests, chart B).



SAFETY

CHRYSO® Fluid Optima 175 is a product classified « harmless ». It is recommended to wear the normal protective equipment.

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

The information contained in this document is given to the best of our knowledge and is the result of objective testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the 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 remain at the disposal of the users to help with any problem they may have.

“ Please enquire for the latest update ”

Last update : 01/05