## TECHNICAL DATA SHEET





CHRYSO **Concrete** 

SOLUTIONS

## CHRYSO®Fluid Optima 145

Water reducing Plasticizing admixture

## DESCRIPTION

CHRYSO®Fluid Optima 145 is a new generation plasticizer, with superplasticizing performance with most cements, based on modified polycarboxylate and phosphonate. Thanks to its specifically designed molecular structure, CHRYSO®Fluid Optima 145 enables to produce cohesive, low viscous concrete with long workability retention. CHRYSO®Fluid Optima 145 provides concretes with long workability retained, together with reduced water/cement ratio.

CHRYSO®Fluid Optima 145 is particularly suited for pumped concrete over long distances. This set of performance makes CHRYSO®Fluid Optima 145 very much suited for readymix industry and infrastucture jobsites.

## **FIELDS OF APPLICATION**

- Precast
- All cement types
- Extended workability retention
- High Performance Concrete Very High Performance Concrete
- Architectural concrete
- Ready-mix concrete

## **INDICATIVE INFORMATION**

Product Nature	liquid
Color	Brown
Lifetime	18 months

## **SPECIFICATIONS**

Halogen Dry Extract	32,00 % ± 1,60
CI- lons content	≤ 0,100 %
Equivalent Content NA <sub>2</sub> O	≤ 1,00 %
Specific gravity (20°C) in kg/dm3	1,065 ± 0,020
pH (20°C)	5,00 ± 1,00
Dry extract (EN 480-8)	31,50 % ± 1,500

## NORMATIVE AND REGULATORY INFORMATION

#### This product conforms to NF 085 certification, which technical



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 "Appleation" 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.fr CHRYSO 19 place de la Résistance - 92445 ISSY LES MOULINEAUX France Tél.:+33 (0)1 41 17 18 19 Fax:+33 (0)1 41 17 18 80 e-mail:contact@chryso.com



## METHOD OF USE

- This product is completely miscible in water.
- This product must be added to the mixing water or later on, on concrete.
- 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.
- This product is compatible with any CHRYSO <sup>®</sup> admixture.

0,9 % to the cement weight is a common dosage.

#### Dosage :

0.3 to 3.0 kg for 100 kg of cement.

### PRECAUTIONS

- Protect from frost.
- Avoid prolonged exposure to high temperatures.

Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

### SECURITY

Before use, see MSDS.







CHRYSO CONCRETE SOLUTIONS 18/12/2020

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specifications are those applied in the non harmonised part of NF EN 934-2.

Adresse AFNOR - 11, Avenue de Pressensé - 93571 Saint Denis La Plaine Cedex

**—** This product conforms to CE marking. The appropriate declaration can be found on our internet site.



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