TECHNICAL DATA SHEET





CHRYSO **Concrete**

SOLUTIONS

CHRYSO®Fluid Optima 220

High range water reducing Super plasticizing admixture

DESCRIPTION

CHRYSO[®]Fluid Optima 220 is a plasticizer – water reducer which works as a new generation superplasticizer, based on modified polycarboxylate. CHRYSO[®]Fluid Optima 220 is particularly recommended for ready-mix concrete and civil engineering construction. CHRYSO[®]Fluid Optima 220 intends to create a high water reduction and/or an increased period of workability retention. It allows the manufacture of concrete with a long workability retention, without set retarding effect. Thus, CHRYSO®Fluid Optima 220 may be used in a large concrete range. CHRYSO®Fluid Optima 220 is particularly adapted to homogeneous SCC formulations with a high filling capacity. CHRYSO®Fluid Optima 220 is compatible with most cements.

FIELDS OF APPLICATION

- Ready-mix concrete
- Civil Engineering
- Slump flow superior to 50 mm
- Self consolidating concrete

INDICATIVE INFORMATION

Product Nature	liquid
Color	Brown
Lifetime	9 months

SPECIFICATIONS

Halogen Dry Extract	21,60 % ± 1,00
CI- lons content	≤ 0,100 %
Equivalent Content NA ₂ O	≤ 1,00 %
Specific gravity (20°C) in kg/dm3	1,050 ± 0,020
pH (20°C)	5,00 ± 1,00
Dry extract (EN 480-8)	21,80 % ± 1,000

NORMATIVE AND REGULATORY INFORMATION

• 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.

METHOD OF USE

• This product must be added to the mixing water.

• Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, and then at low speed (with a minimum of 3 minutes, at each speed).

• 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.

Dependant on application this product can be used in conjunction with some other CHRYSO[®] admixtures.

Dosage :

0.15 to 1.5 kg for 100 kg of cement.

PRECAUTIONS

Protect from frost.

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.



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 "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 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









CHRYSO CONCRETE SOLUTIONS

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