

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
Cl ⁻ Ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 1,00 %
Specific gravity (20°C) in kg/dm ³	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.

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