

1164  
8EN 934-2+A1:2012  
1164-CPR-ADJ002

# CHRYSO® Fluid Optima 220

## 1. Unique identification code of the product:

EN 934-2+A1:2012 : T3.1/3.2

## 2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

Batch number : See Product packaging

## 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

High range water reducing Super plasticizing admixture

## 4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

CHRYSO SAS ZI de la Garmanière Sud - 56140 MALESTROIT  
France

## 5. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

Système 2+

## 6. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

EN 934-2+A1:2012

CERIB, notified body No 1164, performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of constancy of conformity of the factory production control.

N° 1164-CPR-ADJ002

## 7. Declared performance :

ESSENTIAL CHARACTERISTICS	PERFORMANCES	HARMONISED TECHNICAL SPECIFICATION
Cl <sup>-</sup> Ions content	≤ 0,100 %	EN 934-2+A1:2012
Equivalent Content NA <sub>2</sub> O	≤ 1,00 %	EN 934-2+A1:2012
Corrosion	Contains only components from EN 934-1:2008, Annex A.1.	EN 934-2+A1:2012
Compressive strength (at equal w/c ratio)	at 28 days : Test mix ≥ 90% of control mix	EN 934-2+A1:2012
Air Content in Fresh Concrete (at equal w/c ratio)	Test mix ≤ 2% by volume above control mix	EN 934-2+A1:2012
Water Reduction	Test mix ≥ 12% compared with control mix	EN 934-2+A1:2012
Compressive strength (at equal consistence)	at 1 day : Test mix ≥ 140% of control mix at 28 days : Test mix ≥ 115% of control mix	EN 934-2+A1:2012
Air Content in Fresh Concrete (at equal consistence)	Test mix ≤ 2% by volume above control mix	EN 934-2+A1:2012
Increase in consistence	Increase in flow ≥ 160 mm from initial (350 ± 20) mm	EN 934-2+A1:2012
Retention of consistence	at 30 min : consistence test mix ≥ initial consistence of control mix	EN 934-2+A1:2012
Dangerous substances	See MSDS	EN 934-2+A1:2012

## 8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by  
**Quentin BRANGER, Industrialisation & Products Quality Manager**