

# DECLARATION OF PERFORMANCE

No 410 CHR

under regulation (EU) No 305/2011 and the amendment of Annex III, (EU) No 574/2014

## CHRYSO® Optima 234

0654  
15  
EN 934-2  
0654-CPR-0191

Unique identification code of the product:	<b>CHRYSO® Optima 234</b> It refers to all batches of CHRYSO® Optima 234 produced after the issue of the present declaration (Batch number: See Product packaging)
Intended use /es:	High range water reducing / super plasticizing admixtures EN 934-2: T.3.1/3.2
Manufacturer:	<b>NORDIA S.A. - MARMOLINE</b> 1st Klm provincial road Markopoulou – Oropou, Polydendri, Attica, 19014, Greece
System of AVCP:	2+
Harmonized standards:	EN 934-2 +A1: 2012
Notified body/ies:	TÜV HELLAS, notified body No 0654, 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° 0654-CPR-0191

### Declared performance :

Essential characteristics	Performance	Harmonised technical specification
Chloride ion content	≤0,1%	EN 934-2+ A1 : 2012
Alkali content	≤ 2%	EN 934-2+ A1 : 2012
Corrosion behavior	Contains only components according to EN 934-1:2008, Annex A.1.	EN 934-2+ A1 : 2012
Dangerous substances	See MSDS	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 ≥160mm from initial (350±20 mm)	EN 934-2+ A1 : 2012
Retention of consistence	At 30 min: consistence test mix ≥ initial consistence of control mix (350±20 mm)	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
Dangerous substances	See MSDS	EN 934-2+A1:2012

**The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:**



Polydendri, 6/11/2023

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