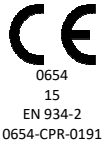


# DECLARATION OF PERFORMANCE

No 410 CHR

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

## CHRYSO®Optima 234



Unique identification code of the product:

**CHRYSO®Optima 234**

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:

**NORDIA S.A. - MARMOLINE**

**1<sup>st</sup> km Malakasas – Markopoulou Road, 19011 Malakasa, Attica, 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,<br>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:**

Malakasa, 6/11/2024

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