

# CHRYSO® Optima 234

High range water reducing/super plasticizing admixture



## Description

CHRYSO® Optima 234 is a new generation high range water reducing/superplasticizing admixture that can be used in a wide range of applications.

It ensures long workability retention without any set retarding effect.

It allows the maintenance of workability, with small variation of the initial slump and with a wide range of dosage according to the requirements.

It can be used for a wide range of concretes. It is particularly suitable for the production of homogeneous, self-compacting concrete, with a high filling capacity of the mould.

## Fields of application

- Self levelling concrete
- Self compacting concrete
- Ready mix concrete
- Shotcrete
- High Performance Concrete-Very High Performance Concrete(HPC, VHPC)

## Method of use

Dosage: 0.4 – 2.5 kg /100 kg of cement.

CHRYSO® Optima 234 must be added to the mixing water or later on concrete.

If the product is added into the mixing truck, it is necessary to mix at high speed and then at low speed (remaining at least 3-5 minutes at each speed).

The optimum dosage of the product can be determined only by test mix, taking into account the rheological characteristics and the required mechanical performance of the concrete.

## Technical Properties

- Aspect: Liquid
- Color: light brown
- Density ( 20<sup>o</sup> C): 1.05 ± 0.02 gr/cm<sup>3</sup>
- pH: 4-6
- Cl<sup>-</sup> ≤0.1%
- Na<sub>2</sub>O : ≤2%

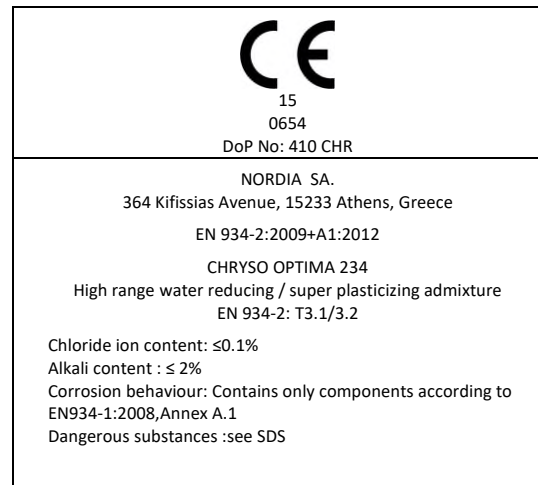
## Packaging

- Bulk
- In IBC tanks : 1040 kg (1000lt)
- Drums 200 kg

## Norms & Regulations

CHRYSO® Optima 234 is a high range, water reducing/superplasticizing admixture complying with the conventional requirements of the European CE marking (EN 934-2,T3.1/3.2).

To obtain the corresponding Declaration of Performance, please contact the sales department.



## Safety

CHRYSO® OPTIMA 234 is a “harmless” product. It is recommended to use the conventional Personal Protective Equipment. For more information, ask the commercial department for the Material Safety Data Sheet.

## Precautions

- Avoid storage of the product at high temperatures for a long time.
- Protect the product from frost. Use at temperatures above 0<sup>o</sup>C.
- In case of frost, the product retains its properties after thawing and stirring until it is completely homogenized.
- Shelf life: 12 months in its sealed package.