

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)

PACKAGING

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

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.


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.

CHARACTERISTICS

- Product nature: Liquid
- Color: light brown
- Density (20°C): 1.05 ± 0.02 gr/cm³
- pH: 4-6
- Cl- ≤0.1%
- Na₂O: <2%

 15 0654 DoP No: 410 CHR
NORDIA SA. 364 Kifissias Avenue, 15233 Athens, Greece EN 934-2:2009+A1:2012 CHRYSO OPTIMA 234 High range water reducing / super plasticizing admixture EN 934-2: T3.1/3.2
Chloride ion content: ≤0.1% Alkali content : ≤ 2% Corrosion behaviour: Contains only components according to EN934-1:2008,Annex A.1 Dangerous substances :see SDS

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 prolonged exposure to high temperatures
- Protect from frost. Should the product freeze, it will recover its initial consistency. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.
- Shelf life: 12 months in its sealed package.

The information in this technical brochure is given according to the best of our knowledge and the results of extensive testing. However, it can in no case be considered as a guarantee that implies our liability in case of misuse or other use of our products, different from that indicated in the section "Field of Application". Before applying the product, application tests must be carried out to ensure that the methods of use and the application conditions of the product are satisfactory. Our technical assistance is available to users. Please see the latest version of the technical data sheet, available at www.marmoline.gr



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