

CHRYSO®Premia 180

High range water reducing Super plasticizing admixture



CHRYSO®Premia 180 is a new generation superplasticizer – high range water reducer, based on modified polycarboxylate.

CHRYSO®Premia 180 is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining workability.

CHRYSO®Premia 180 enables the production of concrete with very low W/C ratios.

CHRYSO®Premia 180 enables the production of self-consolidating concrete.

Indicative characteristics

- Nature: liquid
- Colour: Opalescent green-grey
- Shelf life: 12 months

Specifications

- Specific gravity (20°C): $1,050 \pm 0,010$
- pH: $8,00 \pm 2,00$
- Solid content (halogen): $21,50\% \pm 1,00\%$
- Solid content (EN 480-8): $21,90\% \pm 1,00\%$
- Na₂O equivalent: $\leq 1,50\%$
- Cl⁻ ions content: $\leq 0,10\%$

Norms and regulations

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to NF 085 certification, which technical specifications are those applied in the non harmonised part of NF EN 934-2.
- This product conforms to ASTM C 494 – Types A/F.

Domains of application

- All cement types

- Self consolidating concrete
- Slump flow superior to 50 mm
- High Performance Concrete - Very High Performance Concrete
- Prestressed concrete
- Precast

Precautions

Protect from frost.

Avoid prolonged exposure to high temperatures. Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

Method of use

Dosage: 0.3 to 3.0 kg for 100 kg of cement.

This product must be added to the mixing water or later on, on concrete.

Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed, for 1 minute per m³ of concrete (with a total minimum of 6 minutes).

Construction sites references

Metrovacesa building in Madrid, Spain.

Ikea in Rome, Italy: formulation of 3 types of SCC for the precast elements of the building bones.

Toulouse Metro, line B, France: consistent concrete for the realisation of ring segments.

Safety

This product is classified as "harmless". In case of exposure, it is recommended to wear your protective equipment.

Before use, refer to the safety data sheet on our internet site www.chryso.com



The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users.

Please enquire for the most recent version of the technical datasheet, available on www.chryso.com

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