



CHRYSO® Premia 540

Superplasticiser – High Range Water Reducer



Description

CHRYSO® Premia 540 is a new generation superplasticiser – high range water reducer, based on modified polycarboxylate.

CHRYSO® Premia 540 is particularly recommended for concrete requiring high short and long-term compressive strengths.

CHRYSO® Premia 540 enables very low W/C ratios to be produced in the concrete.

CHRYSO® Premia 540 gives fresh concrete dynamic properties that improve formwork filling.

Thanks to its short-term performances, **CHRYSO® Premia 540** allows whether to reduce the time before demoulding or to save energy by decreasing temperature or time of steam curing.

Characteristics

- Nature: liquid
- Colour: yellow/brown
- Density: 1,065 ± 0,01
- pH: 4 ± 1,00
- Cl⁻ ion content: ≤ 0,01%
- Na₂O equivalent: ≤ 0,1%
- Dry content: ≤ 32 ± 2%
- Shelf life: 12 months

Packaging

- IBC: 1000L
- Barrel: 215L
- Drums: 20L

Applications

Domains of application

- All types of cement
- Heavy prefabrication
- HPC, VHPC and UHPC
- Pre-stressed concrete
- Plastic to fluid concretes
- Self-compacting concrete

Directions for use

Dosage: between 0.3 and 3.0 kg per 100 kg of cement.

A 1.0% dosage of the product to the weight of cement is commonly used.

It is preferable to add **CHRYSO® Premia 540** to the water before mixing the concrete. However, it can be added afterwards.

Precautions

Do not store product at high temperatures for long periods.

Store **CHRYSO® Premia 540** away from frost, at a temperature above 0°C.

Should the product freeze, it keeps its properties. After thawing, it is necessary to agitate thoroughly until complete recovery of a homogeneous product.



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Safety

CHRYSO® Premia 540 is a product classified as “harmless”. It is recommended to wear normal protective equipment.

For further information, please refer to the safety data sheet on our internet site www.uk.chryso.com

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, under any circumstances be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.

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