

Chryso® Premia 550

High range water reducing Super plasticizing admixture

DESCRIPTION

Chryso® Premia 550 is a new-generation superplasticiser and high-range water-reducing admixture based on modified polycarboxylate technology.

It is recommended for concrete applications requiring **high early and long-term compressive strength development**. The admixture enables the production of concretes with **very low water/cement ratios**, supporting enhanced mechanical performance.

In the fresh state, Chryso® Premia 550 imparts dynamic rheological properties that improve **formwork filling** and placement behaviour.

Due to its short-term performance characteristics, Chryso® Premia 550 allows either a **reduction in demoulding time** or **energy savings**, achieved through reduced steam-curing temperature or shorter curing duration.

BENEFITS

- Acts as a **high-range water-reducing admixture**
- Enables the production of concrete with **very low water/cement ratios**
- Supports **high early and long-term compressive strength development**
- Improves **fresh concrete flow behaviour** and formwork filling
- Allows **reduced demoulding times**
- Enables **lower steam-curing temperatures or reduced curing times**
- Suitable for concretes with **plastic to fluid consistence**
- Compatible with **all types of cement**

FIELDS OF APPLICATION

- Heavy prefabrication
- High-performance concrete (HPC)
- Very high-performance concrete (VHPC)
- Ultra-high-performance concrete (UHPC)
- Pre-stressed concrete
- Plastic to fluid concretes
- Self-compacting concrete (SCC)

Compatibility with Cements

- All types of cement

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Yellow to green
Lifetime	9 months
Cl ⁻ ions content	≤ 0,100 %
Equivalent Content Na ₂ O	≤ 0,01 %

METHOD OF USE

Dosage :

0.3 to 3.0 kg for 100 kg of cement.

- A 1.0% dosage of the product of the weight of cement is commonly used.
- It is preferable to add **CHRYSO® Premia 550** to the water before mixing the concrete. However, it can be added afterwards.

PRECAUTIONS

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

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.

SAFETY

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

TECHNICAL DATA SHEET



Chryso
Concrete
Solutions

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Specific gravity	1,050 ± 0,000
pH	6,00 ± 1,00

PACKAGING

- 20L Container
- 215 L Barrel
- Container of 1000L

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs. www.chryso.uk

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