



# CHRYSO®Premia 140S

High range water reducing Super plasticizing admixture

## DESCRIPTION

**CHRYSO®Premia 140S** is a new generation superplasticizer – high range water reducer, based on modified polycarboxylate.

**CHRYSO®Premia 140S** is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining the workability up to 2.0H slump retention depending on cement chemistry.

**CHRYSO®Premia 140S** enables the production of concrete with very low W/C ratios.

**CHRYSO®Premia 140S** enables the production of flowable / selflevelling concrete.

## BENEFITS

- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths.
- Enhances the workability retention of concrete particularly in hot climates.
- The dispersion properties of **CHRYSO®Premia 140S** allow the user to optimise the cement content when a specified mechanical strength is required.
- As the particles are highly dispersed, the hydration of the binder is enhanced, resulting in a substantial water reduction and an increase in both early age and ultimate compressive strength of over 30%.

## FIELDS OF APPLICATION

- All cement types
- Plastic or fluid concretes
- High performance Concrete - Very High Performance Concrete - Ultra High Performance Concrete
- All concretes
- High early age strength
- Precast

## CHARACTERISTICS

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Specific gravity	1,050 ± 0,020
pH	6,50 ± 2,00

## NORMATIVE AND REGULATORY INFORMATION

- This product conforms to CE marking. The appropriate declaration can be found on our internet site.
- This product conforms to ASTM 494 Type A, E and F, and BS

## METHOD OF USE

- A 1.0% dosage of the product of the weight of cement is commonly used.
- **CHRYSO®Premia 140S** is completely miscible in water. It can be added to part or all of the mixing water depending on the required plasticity. The correct quantity of **CHRYSO®Premia 140S** should be measured using a recommended dispenser.
- To make high workability concrete, best results are obtained when **CHRYSO®Premia 140S** is added directly into the mixer.

### Dosage :

0.5 to 2 litres for 100 kg of cement.

## PRECAUTIONS

- Use at a temperature above 0° C.
- Should the product freeze, some crystals may appear, which will disappear when the temperature is positive again.
- Store in plastic containers, PVC excluded.

## SAFETY

**CHRYSO®Premia 140S** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

## TECHNICAL DATA SHEET



**Chryso**  
**Concrete**  
**Solutions**

10/10/2024

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EN 934-2.

### PACKAGING

- 1000 L IBC
- 200 L drum
- 20 L bucket

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.ph](http://www.chryso.ph)  
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