

# CHRYSO®Premia 125S R1

High range water reducing Super plasticizing admixture

## DESCRIPTION

**CHRYSO®Premia 125S R1** is a new generation superplasticizer – high range water reducer, based on patented CHRYSO® polycarboxylate technology.

**CHRYSO®Premia 125S R1** is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining the workability retention depending on cement chemistry.

## 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 125S R1** 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
- Prestressed concrete
- Steam-cured or non steam-cured concrete
- Precast
- High early age strength
- Plastic or fluid concretes
- Compatible with Micro silica, GGBS and Fly Ash.

## CHARACTERISTICS

<b>Product Nature</b>	Liquid
<b>Color</b>	Light brown
<b>Lifetime</b>	12 months
<b>Specific gravity</b>	1,070 ± 0,020
<b>pH</b>	6,00 ± 2,00

## PACKAGING

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

## METHOD OF USE

- This product must be added to the mixing water or later on, on concrete.
- Between 0.5 and 2.5 liters per 100 kg of cement. A 1.0 % dosage of the product to the weight of cement is commonly used.
- **CHRYSO®Premia 125S R1** 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 125S R1** should be measured using a recommended dispenser.
- To make high workability concrete, best results are obtained when **CHRYSO®Premia 125S R1** is added directly into the mixer.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

### Dosage :

0.5 to 3.0 kg for 100 kg of cement.

## PRECAUTIONS

- 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.
- Use at a temperature above 0° C.
- Store in plastic containers, PVC excluded.

## NORMATIVE AND REGULATORY INFORMATION

- 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

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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## TECHNICAL DATA SHEET



**Chryso  
Concrete  
Solutions**

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### **CHRYSO®Premia 125S R1**

High range water reducing Super plasticizing admixture

NF EN 934-2.

#### **SAFETY**

**CHRYSO®Premia 125S R1** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

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