

# CHRYSO®Premia 148S

New Generation, high range water reducing/  
superplasticizing admixture



CHRYSO  
CONCRETE  
SOLUTIONS

24/04/2024

## DESCRIPTION

**CHRYSO®Premia 148S** is a new generation superplasticizer – high range water reducer, based on patented CHRYSO® polycarboxylate technology.

**CHRYSO®Premia 148S** 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 148S** 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
- Precast
- Concrete for highly reinforced structures
- All concretes

## CHARACTERISTICS

## SPECIFICATIONS

<b>Product Nature</b>	liquid
<b>Color</b>	Light brown
<b>Lifetime</b>	12 months
<b>Specific gravity</b>	1,060 ± 0,020

## METHOD OF USE

- A 1.0% dosage of the product of the weight of cement is commonly used.
- **CHRYSO®Premia 148S** 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 148S** should be measured using a recommended dispenser.
- To make high workability concrete, best results are obtained when **CHRYSO®Premia 148S** 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 kg for 100 kg of cement.

## PRECAUTIONS

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

## SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.

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)  
CHRYSO PHILIPPINES INC. 17 Main Ave. Severina Industrial Estate, ACSIE Comp. Km 16, West Service Rd. 1700 Paranaque City. Tél.:(+632) 823-1568 Fax:(+632) 823-6492



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pH

8,00 ± 2,00

## NORMATIVE AND REGULATORY INFORMATION

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

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