



## CHRYSO®Premia 90S

High range water reducing Super plasticizing admixture

### DESCRIPTION

**CHRYSO®Premia 90S** is a new generation superplasticizer – high range water reducer, based on modified polycarboxylate

**CHRYSO®Premia 90S** 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.

### 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 90S** 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
- High Performance Concrete
- Reinforced concrete
- Precast
- All concretes

### CHARACTERISTICS

Product Nature	liquid
Color	Light brown
Lifetime	12 months
Specific gravity	1,030 ± 0,020
pH	7,00 ± 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.
- A 1.0% dosage of the product of the weight of cement is commonly used.
- CHRYSO®Premia 90S** 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 90S** should be measured using a recommended dispenser.
- To make high workability concrete, best results are obtained when **CHRYSO®Premia 90S** 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 2 litres for 100 kg of cement.

### PRECAUTIONS

- Protect from frost.
- Avoid prolonged exposure to high temperatures.
- 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.
- This product conforms to ASTM C494 Type A and F, and BS EN 934-2

### SAFETY

**CHRYSO®Premia 90S** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.