

# 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 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

### Dosage :

- Up to 2.5% by weight of the total cementitious material. Trial mixes should be performed to determine the appropriate dosage in concrete before actual batching.

## 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.
- 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.