

CHRYSO®Premia 321S

High range water reducing Super plasticizing admixture

DESCRIPTION

CHRYSO®Premia 321S is a new generation superplasticizer high range water reducer, based on modified polycarboxylate.

CHRYSO®Premia 321S is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining the workability up to 3.0H slump retention depending on cement chemistry.

CHRYSO®Premia 321S enables the production with very low W/C ratios.

BENEFITS

- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths.
- The dispersion properties of **CHRYSO®Premia 321S** allow the user to optimize 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 at both early age and ultimate compressive strength.

FIELDS OF APPLICATION

- High early age strength
- Precast
- High Performance Concrete
- Tunnel linings
- Prestressed concrete

CHARACTERISTICS

SPECIFICATIONS

Product Nature	Liquid
Lifetime	12 months
Specific gravity	1,047 ± 0,030
Color	Light Brown to Dark Brown

METHOD OF USE

▪ **CHRYSO®Premia 321S** 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 321S** should be measured using a recommended dispenser.

▪ To make high workability concrete, best results are obtained when **CHRYSO®Premia 321S** 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

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

SAFETY

CHRYSO®Premia 321S is not considered dangerous to handle. Please refer to the safety data sheet for additional information.

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