

CHRYSO®Plast CER

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Water Reducing Plasticiser

■ Features

CHRYSO®Plast CER is a concrete admixture which has been specifically formulated to promote dispersion of particles in concrete, resulting in a major improvement in the workability.

CHRYSO®Plast CER optimizes the dosage of cement required to obtain a given concrete compressive strength. For an equivalent plasticity and after reducing the quantity of mixing water:

- the concrete is denser;
- there is a reduced capillary action;
- depending on the dosage, there is an increase in compressive strength after 24 hours.

■ Benefits

- Enhances the workability retention of concrete in hot climates.
- Water reduction ability.
- The dispersion properties of **CHRYSO®Plast CER** allow the user to optimise the cement content when a specified mechanical strength is required.
- **CHRYSO®Plast CER** has water repellent properties and can therefore be used to reduce the permeability of the concrete.

■ Areas of Application

CHRYSO®Plast CER is recommended for all concrete mixes where water content, improved cementitious material performance, high workability retention and very high strengths characteristics are desirable.

1. All types of cement
2. Ready-mix concrete with stable workability
3. Concrete of humid or plastic consistency
4. Pumped concrete
5. Pre-stressed concrete
6. Heavy prefabricated elements

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■ Description:

Characteristics:

CHRYSO®Plast CER is a chemically stable liquid.

1.Nature :	liquid
2.Colour :	Brown
3.Density :	1.10 ± 0.020
4.pH :	9 ± 2
5.Cl ⁻ ions content:	nil to EN 934 and BS 5075

CHRYSO®Plast CER does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

Packaging:

- Bulk
- IBC: 1000 L
- Drums: 215 L
- Pails: 20 L

Standard specifications:

Conforms to ASTM C 494 Type A and D and BS-EN 934-2

■ Directions for use:

Dosage

Between 0.4 and 2.0 kg per 100 kg of cement. A 1 % dosage of the product to the weight of cement is commonly used.

CHRYSO®Plast CER 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®Plast CER** should be measured using a recommended dispenser.

Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

Compatibility

CHRYSO®Plast CER is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, fibers and approved air entraining admixtures.

Precaution:

- Store away from frost. Use **CHRYSO®Plast CER** at a temperature superior to 0°C.
- Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.
- This product must be stored in plastic containers, but not in PVC.
- Shelf life: 18 months.

■ Safety:

CHRYSO®Plast CER is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

About CHRYSO:

Worldwide leader for cement and concrete additives for over 70 years, **CHRYSO** has been designing, producing, specifying and delivering its added-value solutions to the construction professionals with outstanding innovation and quality service. As a result, **CHRYSO's** brand and products have been associated with the most prestigious and demanding construction projects over the globe.

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