

*CHRYSO®Plast 260 water reducing admixture is chloride-free and based on a blend of specially selected lignosulphonate and Hydrolyzed carbohydrate materials. It is supplied as a brown solution which instantly disperses in water.*

*CHRYSO®Plast 260 disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken.*

### Characteristics

- Appearance: Brown liquid
- SG: typically 1.19
- Chloride content: nil to BS 5075
- Air entrainment: typically less than 2% additional air is entrained at normal dosages.
- Alkali content: typically less than 5.0g Na<sub>2</sub>O equivalent / litre of admixture.

### Packaging

- Bulk
- Containers: 1 000 litres  
200 litres  
25 litres

## DIRECTIONS FOR USE

### Applications

- To provide cost effective control of the water content, workability and compressive strength of a concrete mix.
- To enhance the hydration and performance of mixes containing cement replacement materials.

### Advantages

- Cost engineered for effective control of concrete mix design and optimum overall performance.
- Gives enhanced performance in mixes containing PFA and GGBFS.
- Water reduction significantly improves compressive strengths at all ages and enhances durability through the production of low permeability concrete.
- Allows workability to be increased without adding extra water, thereby maintaining strength levels.
- Allows specified strength grades to be met at reduced cement content or increased workability.
- At higher dosages provides a cost effective means of reducing concrete permeability and thereby reducing water penetration.

- Chloride-free, safe for use in prestressed and reinforced concrete.

**Typical dosage:** The optimum dosage of CHRYSO®Plast 260 to meet specific requirements should always be determined by trials the materials and conditions that will be experienced. A starting point for such trials is to use dosage within the normal typical range of 0.20 to 0.60 litres / 100kg of cementitious materials.

**Use at other dosages:** Dosages outside the typical range quoted above may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available.

**Compatibility:** CHRYSO®Plast 260 is compatible with other CHRYSO® admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition.

## DIRECTIONS FOR USE (continued)

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CHRYSO®Plast 260 is suitable for use with all types of ordinary Portland cements and cement replacement materials such as PFA, GGBFS and silica fume.

**Effects on stiffening and set:** Most water reducing admixtures produce some delay in the stiffening of concrete, although the degree may vary. With CHRYSO®Plast 260 the effect has been minimized while maintaining strength performance. However, in some situations, particularly at high dosages and low temperatures, this effect should be taken into account.

**Dispensing:** The correct quantity of CHRYSO®Plast 260 should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the

best results. Contact the CHRYSO® Technical Service Department for advice regarding suitable equipment and its installation.

**Overdose:** An overdose of double the intended amount of CHRYSO®Plast 260 will result in an increase in retardation compared to that normally obtained at the intended dosage. Provided that adequate curing is maintained the ultimate strength of the concrete will not be impaired by increased retardation and will generally be increased.

**Curing:** As with all structural concrete, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, wet hessian or a curing membrane should be used.

## SAFETY

CHRYSO®Plast 260 should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Refer to Material Safety Data Sheet available from CHRYSO.