

# Chryso®WRDA 30

Water reducing Plasticizing admixture

## DESCRIPTION

Chryso®WRDA 30 is a water-reducing plasticiser that significantly improves early and ultimate strengths through effective water reduction. It is suitable for a wide variety of concrete applications and is ideal for ready-mixed concrete where extended transit or placement times are required.

The admixture is formulated from specially selected polymer systems to optimise dispersing performance and enhance cement hydration.

## BENEFITS

- Achieves water reductions of approximately 10%, improving compressive strength, impermeability and durability.
- Supports cement content reductions.
- Low dosage capability with effective water reduction.
- Provides limited and predictable retardation characteristics within normal dosage ranges.
- Performs exceptionally well in concrete mix designs containing cement replacements such as GGBS or fly ash.
- Particularly useful in high ambient temperatures, helping extend working and placement time.
- Improves cohesion of concrete.

## FIELDS OF APPLICATION

- Suitable for a wide variety of ready-mixed concretes.
- Effective in high-performance concretes and mixes incorporating fly ash or ground granulated blast-furnace slag (GGBS).

## INDICATIVE INFORMATION

Product Nature	Liquid
Color	Dark brown
Lifetime	12 months
Cl <sup>-</sup> ions content	≤ 0,100 %
Equivalent Content Na <sub>2</sub> O	≤ 1,50 %
Specific gravity	1,195
Flash Point	-3 °C
Air Entrainment	< 0.5%

## PACKAGING

- Container of 1000L
- Bulk delivery on request

## ADDITIONAL INFORMATION

## METHOD OF USE

- Supplied ready for use.
- Add in its supplied form with part of the batching water after cement addition.
- Mix for a minimum of **2 minutes** after adding the admixture to ensure full dispersion.

### Dosage:

- Recommended dosage range: 200–500 ml per 100 kg cement (0.20–0.50% v/w).
- Suggested trial rate: 0.30–0.40% by weight of cement.
- Optimum dosage should be determined using site trials with actual materials.

### Implementation :

- Chryso®WRDA 30 is compatible with other Chryso admixtures normally used in concrete production, provided each admixture is added separately.
- When multiple admixtures or chemicals are used, performance may vary; Chryso Technical Team should be consulted where necessary.
- For use with special cements, contact Chryso Technical Team for guidance.

## PRECAUTIONS

- Store away from extreme temperatures and protect from frost.
- Keep containers out of direct sunlight and in shaded storage.

## NORMATIVE AND REGULATORY INFORMATION

Chryso®WRDA 30 conforms to EN 934-2.

## SAFETY

Avoid contact with skin or eyes; use suitable protective equipment. For further information, please refer to the safety data sheet on our internet site [www.uk.chryso.com](http://www.uk.chryso.com).

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be conducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.



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- Increasing dosage within the recommended range will increase concrete consistence and retardation of set, especially when using cement replacement materials or in cold conditions.
- Accidental overdosing may lead to additional delay in setting time; however, when properly cured, overdosed concrete will generally achieve higher ultimate strength.
- Planned or suspected overdosing should be discussed with Chryso Technical Team. The concrete's plastic-state consistency and cohesiveness should be checked before deciding on suitability for use.

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