

# Chryso® Quad 420

Water reducing Plasticizing admixture

## DESCRIPTION

**Chryso® Quad 420** is a new generation set water reducing plasticiser incorporating CHRYSO's innovation, Quad technology. This admixture results from our expertise in hybrid polymer technology. This chemistry required our most recent knowledge of the synthesis of molecules to provide:

- a wide dosage range
- a high-water reduction
- slump retention
- homogeneous concrete

**Chryso® Quad 420** is particularly suited for ready-mix concrete manufactured with high water demand aggregates.

**Chryso® Quad 420** can be used in conjunction with other Chryso® ranges including Chryso®Air, Chryso®Omega and Chryso®Optima.

## BENEFITS

- Increased consistence retention for transport.
- Excellent homogeneity for pumping.
- Low viscosity rheology.
- Use with crushed aggregates
- Increased concrete strengths.
- Cement optimisation without strength loss.
- Robustness and tolerance to water addition.

## FIELDS OF APPLICATION

### Types of Application

- Readymix concrete
- Workability range up to F5

### Compatibility with Cements

- All types of cement
- Pulverised fuel ash
- Ground granulated blastfurnace slag

We recommend contacting our Technical Department for use with special cements.

## INDICATIVE INFORMATION

Product Nature	Liquid
Color	Straw-yellow
Lifetime	12 months
Specific gravity	1,030 ± 0,010

## METHOD OF USE

### Dosage :

Dosage: 0.3 to 2.0 % for 100 kg of cement.

- A 0.7% dosage of the product by the weight of cement is commonly used. It is recommended that preliminary tests are carried out on the product to determine the optimum dosage for the intended application. Please contact our Technical Department for advice regarding initial trial dosage.
- This product is completely miscible in water.
- Mixing should keep going until a homogenous concrete is obtained.

## PRECAUTIONS

- Stir the product before use.
- Protect from frost.
- Should the product freeze, it will recover its properties. After thawing, an efficient agitation is necessary until the product is entirely homogeneous again.

## NORMATIVE AND REGULATORY INFORMATION

- This product conforms to UKCA and CE marking. The appropriate declaration can be found on our internet site.
- **CHRYSO® Quad 420** conforms to BS EN934-2 Table 2 certification, which technical specifications are those applied in the non-harmonised part of the BS EN 934-2.

## SAFETY

**CHRYSO® Quad 420** is a product classified as "harmless". It is recommended to wear normal 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).

## TECHNICAL DATA SHEET



Chryso  
Concrete  
Solutions

11/02/2026

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### PACKAGING

- 215 L Barrel
- Container of 1000L
- Bulk delivery on request

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. [www.chryso.uk](http://www.chryso.uk)

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