

Quad® 420

Water reducing Plasticizing admixture

DESCRIPTION

Quad® 420 is a new-generation water-reducing plasticising admixture incorporating Quad® technology. Developed using advanced hybrid polymer technology, it is designed to deliver high water reduction, extended slump retention, and homogeneous concrete performance across a wide dosage range.

Quad® 420 is particularly suited to ready-mix concrete produced with high water demand aggregates. It provides robust and consistent concrete performance while supporting strength development, pumpability, and workability retention.

BENEFITS

- High water reduction
- Extended workability and slump retention
- Produces homogeneous concrete
- Excellent pumpability and low-viscosity rheology
- Suitable for use with crushed aggregates
- Increases concrete strength
- Supports cement optimisation without strength loss
- Robust performance with good tolerance to water addition
- Wide dosage range for mix flexibility

FIELDS OF APPLICATION

Types of Application

- Ready-mix concrete
- Concrete requiring extended workability retention
- Concrete produced with high water demand aggregates
- Pumped concrete
- Workability classes up to F5

Compatibility with Cements

- All types of cement
- Pulverised fuel ash (PFA)
- Ground granulated blastfurnace slag (GGBS)

Compatibility with Other Admixtures

- Chryso®Air range
- Chryso®Omega range
- Chryso®Optima range

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

INDICATIVE INFORMATION

Product Nature

Liquid

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.
- The product is completely miscible in water
- Mixing should continue until a homogeneous concrete is obtained
- Optimum dosage should be determined through preliminary trials using actual materials and site conditions

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.
- **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

Quad® 420 is classified as **harmless**. Normal personal protective equipment should be worn during handling. Refer to the relevant **Safety Data Sheet (SDS)** before use.

For further information, please refer to the safety data sheet on

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.

CHRYSO UK Ltd. - 1 Herald Way, Binley Industrial Estate, Coventry, United Kingdom, CV3

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our internet site www.uk.chryso.com.

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

PACKAGING

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