

CHRYSO® Omega CQ 70

New Generation Superplasticizer

Chryso
Concrete
Solutions

02/02/2025

DESCRIPTION

CHRYSO® Omega CQ 70 is a new generation water reducing plasticizer. Its molecular structure has been especially designed to provide exceptional properties on its use for concrete.

CHRYSO® Omega CQ 70 enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention.

CHRYSO® Omega CQ 70 helps obtain long workabilities at every level of consistency compared to classical admixtures. It has a high ability of dispersing the fine elements of concrete which allows production of fluid concrete.

BENEFITS

- **CHRYSO® Omega CQ 70** is flexible to use. It has a large range of dosages which can be used in a wide range of concrete.
- Enhances the workability retention of concrete in hot climates.
- Improves concrete pumpability, cohesiveness, and with its low viscosity, helps obtain better finishing quality.
- The dispersion properties of **CHRYSO® Omega CQ 70** allow the user to optimise the cement content when a specified mechanical strength is required.

PACKAGING

- IBC 1000L
- Bulk delivery on request

FIELDS OF APPLICATION

CHRYSO® Omega CQ 70 is recommended for all concrete mixes where low water content, improved cementitious material performance, high workability retention and high strength characteristics are desirable.

- All types of cement
- Heavy prefabrication
- High performance concrete
- Prestressed concrete
- Readymix concrete
- Concrete of humid, plastic or fluid consistency
- Self-levelling concrete
- High strength concrete with workability retention
- Compatible with Micro Silica, GGBS and Fly Ash
- Extended workability concrete

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INDICATIVE INFORMATION

Product Nature	liquid
Color	Dark brown
Lifetime	12 months
Water solubility	Soluble in water
Specific gravity	1,073 ± 0,020
pH	5,00 ± 2,00

Cl⁻ ion content: nil to EN 934 and BS 5075.

METHOD OF USE

- CHRYSO® Omega CQ 70 can be added to the mixing water or later, on concrete. Should the product be added to fresh concrete, into the mixing truck, it is necessary to mix at high speed at 1 minute per m³ of concrete (at least 6 minutes).
- Dosage rates of CHRYSO® Omega CQ 70 are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.
- Between 0.5 and 1.8 kgs. per 100 kgs. of total cementitious material.
- The optimum dosage of CHRYSO® Omega CQ 70 can only be established after trial tests, taking into account local conditions, materials and specification requirements.

PRECAUTIONS

Compatibility:

- CHRYSO® Omega CQ 70 is compatible with all types of Portland cement, class C and F fly ash, GGBS, micro silica, fibers and approved air entraining admixtures.
- CHRYSO® Omega CQ 70 depending on application can be used in conjunction with other CHRYSO admixtures in the same concrete mix, but should be added to the mix separately and must not be mixed prior to addition.

Protect from frost. Use CHRYSO® Omega CQ 70 at a temperature above 0°C.

Should the product freeze, its properties can be recovered after thawing and agitating thoroughly until the product is entirely homogeneous.

NORMATIVE AND REGULATORY INFORMATION

- This product conforms to ASTM C 494, and BSEN 934-2

SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.