

CHRYSO®Foam CQ

Foaming agent



DESCRIPTION

CHRYSO®Foam CQ is a chemical blend of organic compounds specifically designed to promote the controlled generation and stabilization of air entrainment in low-density concrete and mortar systems.

It is intended for use in lightweight and foam concrete production, where consistent foam stability and density control are required.

CHRYSO®Foam CQ is specifically intended for the production of low density mortar systems such as perlite and vermiculite.

CHRYSO®Foam CQ can also be used as a normal air-entraining agent for conventional concrete and mortars.

BENEFITS

- **CHRYSO®Foam CQ** does not require mechanical agitation to generate air entrainment; however, the use of an approved foam generator is essential for producing low-density and foam concrete.
- It enables density reduction of up to 70%, depending on the mix design, application system, and mixing equipment employed.
- Enhances mix workability. The entrained micro-air bubbles act as internal lubricants, improving flow characteristics and reducing internal friction within the mix.

PACKAGING

- 210 L drum
- IBC 1000L

FIELDS OF APPLICATION

CHRYSO®Foam CQ is recommended for all concrete and mortar mixes where low density and entrained air is required.

- All cement types
- Airport runways
- Optimisation of coarse sand particle size distribution
- Motorway slabs
- Civil Engineering
- Dams
- Marine construction
- Reservoirs
- Concrete exposed to freeze thaw
- Extruded concrete
- etc

CHRYSO® Foam CQ

Foaming agent

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Clear to Light Yellow
Lifetime	12 months
Specific gravity	1,030 ± 0,020
pH	9,00 ± 2,00

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

METHOD OF USE

0.15 to 1.5 kg for 100 kg of cement.

- This product is completely miscible in water.
- The optimum dosage of this product can only be established after trial tests, taking into account the rheological characteristics, the strength performances and the industrial process.
- A 0.4% dosage to the weight of cement is commonly used.
- It should be added along with the mixing water to maximise its effect.
- Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

PRECAUTIONS

- 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.
- Avoid prolonged exposure to high temperatures.

Compatibility:

- **CHRYSO® Foam CQ** is compatible with all types of Portland cement, class C and F fly ash, GGBS, microsilica, fibers.
- **CHRYSO® Foam CQ** is compatible with other CHRYSO admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

SAFETY

CHRYSO® Foam CQ is not considered dangerous to handle. Prior to any use, please read carefully the Material Safety Data Sheets.