

CHRYSO®Foam SL

Foaming agent

Chryso
Concrete
Solutions

14/10/2024

DESCRIPTION

CHRYSO®FOAM is chemical blend of organic compounds intended to assist the generation of stabilized air-entrainment during the production of low density concrete and mortar systems.

CHRYSO®FOAM is specifically intended for the production of low density mortar systems such as pertile and vermiculate.

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

BENEFITS

- CHRYSO®FOAM creates a matrix of stable, evenly distributed air bubbles in both the fresh and hydrated system employed.
- CHRYSO®FOAM prevents segregation of the cement and low density aggregates such as vermiculite / perlite or other low density aggregates such as polystyrene beads.
- CHRYSO®FOAM reduces density due the air-entrainment increases the workability of the mix.
- CHRYSO®FOAM does not require mechanical mixing to entrain air, however, a mixer is recommended.
- CHRYSO®FOAM has all the attributes of conventional air entraining admixtures.
- CHRYSO®FOAM does not retard or affect the hydration characteristics of concrete or mortars.
- CHRYSO®FOAM Reduce Density up to 30% mass reduction depending on the system used and mixing equipment employed.
- CHRYSO®FOAM Increase cohesiveness - preventing separation of dissimilar materials and differing densities.
- CHRYSO®FOAM improve workability - the micro air bubbles entrained act as ball bearings, lubricating the mix.

SPECIFICATIONS

Product Nature	liquid
Color	Straw-yellow
Lifetime	12 months
Cl ⁻ ions content	≤ 0,010 %
Specific gravity	1,030 ± 0,020
pH	7,00 ± 2,00

Cl⁻ ions content: nil to EN 934 and BS 5075

PACKAGING

- 20L Container
- 200 L drum
- IBC 1000L

METHOD OF USE

- A 0.4% dosage of the product of the weight of cement is commonly used.

CHRYSO®FOAM is completely miscible in water. It should be added along with the mixing water to maximise its effect. The correct quantity of CHRYSO®FOAM should be measured using a recommended dispenser.

Dosage :

between 100 and 1000 ml per 100 kg of cement

Consumption :

CHRYSO®FOAM is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, fibers.

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

1. All types of cement
2. Highway slabs, runways
3. Dams, reservoirs
4. Road & maritime construction
5. Compensation of the harshness of some natural sands with low fine particle content
6. Concrete exposed to thaw
7. Extruded concrete

PRECAUTIONS

The optimum dosage of CHRYSO®FOAM can only be established after trial tests, taking into account local conditions, materials and specification requirements.

Because local job conditions vary, please contact your local CHRYSO sales representative for further assistance if using outside recommended dosage ranges.

CHRYSO®FOAM 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

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

TECHNICAL DATA SHEET

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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.lk
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