TECHNICAL DATA SHEET

CHRYSO® FOAMCRETE-EC
Air entraining admixture

DESCRIPTION

CHRYSO Foamcrete-EC is an efficient low dosage foaming admixture, which is used to produce lightweight cementitious materials (Concrete , Mortar , Cement slurry) for a variety of insulation and construction applications.

Domains of application

- As flat roof/Floor insulation screeds
- As a backfill concrete.
- Fabrication of light weight beams, blocks and panels
- Fire barrier.
- Sound insulation of walls and ceilings
- As encasement concrete.

BENEFITS

CHRYSO Foamcrete-EC helps to produce a stable aerated mortar, by entrapping air into prepared cement slurry in the shape of discontinued air bubbles to form a cellular structure throughout the mass. The cellular structure significantly reduces the thermal conductivity and density of concrete, resulting in a lower dead load imposed on the structure. It provides excellent resistance to freeze and thaw The thermal conductivity of foamed concrete is only 5 to 20% that of dense concrete.

INDICATIVE INFORMATION

Product Nature	liquid
Color	Clear-Light Amber
Lifetime	12 months
Water solubility	Infinitely Soluble
Cl⁻ Ions content	≤ 0,200 %
Specific gravity	1,025 ± 0,020
pH	8,00 ± 2,00

METHOD OF USE

The optimum dosage should be determined by site trials with the particular mix depending upon the density, mixing method , starting materials , aggregate grading, strength requirement and temperature. It can be placed easily by pumping and does not require compaction or leveling.

Dosage :
 As a guideline, the rate of addition generally varies between 0.5% to 1.5 % by weight of cement.

Implementation :
Guideline Followed : **IS: 9103-2007 and ASTM C-260.**

PRECAUTIONS

- Protect from frost.
- Homogeneise before use.

Preferably store in sealed conventional containers, protected from extreme weather conditions. Over dosing will normally produce an increase in air content, workability together with loss in compressive strength.

SAFETY

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

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