

POWER CONFOAM AGENT

CONCENTRATED FOAMING AGENT



FOR USE IN THE PRODUCTION OF LIGHT WEIGHT SCREEDS, REINSTATEMENT OF TRENCHES, BLOCKS AND PANELS

PRODUCT DESCRIPTION

Ultra Confoam Agent is a highly concentrated foaming liquid agent which can be used at low dosage rates by addition as a pre-foam or as an additive using forced mixing method. The product is readily soluble in and can be used with all types of Port land cement and light weight aggregates.

Ultra Confoam Agent has excellent stability of foam structure even over a wide range of pH Values. An addition of Ultra Confoam Agent has excellent stability of foam structure even over a wide range of pH Values.

TYPICAL APPLICATION.

- Flat roof Insulation screeds-easily lay to provide drainage falls.
- Use to provide insulated floorscreeds which are to receive rigid floor finishes.
- Fabrication of lightweight panels, blocks and Beams.
- Can be applied to damp substrates

METHOD OF USE

When considering foaming agent it should be noted that term "lightweight concrete" as a misnomer as foaming type additives cannot be used in conventional concrete containing dense large particle, size aggregates, Use should be restricted to cement, cement/sand or cement/clay mixes.

The option of two methods of incorporation is available the addition of pre-foam into the cement /mortar, or direct additions of concentrate into the mix using a high speed mixer with a vigorous mixing action.

PACKING

30 Ltr Can, 210 Ltr drum packing

DIRECTION FOR MIXING OF LIGHT WEIGHT CONCRETE

First of all Ultra Confoam Agent Chemical is added in water in mixing machine for blending purpose and then start the mixing chemical and water with first spin (1200-RPM to 1400-RPM) for 2 to 3 minutes. After first spinning Ultra Confoam Agent and water then add the specific quantity of cement and sand in mixture of chemical and water and again fast spin it for 2 to 4 minutes. The resultant product is ready for place to required area.

PROPERTIES

STANDARD COMPLIANCE:

ASTM C869 (Specification of Foaming agent)

Appearance: Hazy Amber Liquid

Specific Gravity: 1.0

Chloride Content: Less than 0.0001 Parts

Density Range: 400 to 1000 kg/m³

Freezing Point: Product from Frost Flash

Point: None Strong Life: 1 year under

Normal Condition

MIXING RATIO

The following mixing ratio and mixed design is generated for light weight concrete of density (700kg/m³ to 800kg/m³)

cement : water : sand : chemical
1 : 55-60% of cement : 50% of cement : 1% of cement

Cement	Water	Sand	Chemical dosage	Production
100kg	55-60ltrs	50kg	1% of cement(1ltr)	10-CFT

NOTE: The above mentioned mixed design is for 700kg/m³ to 800kg/m³ and it can be changed according to required density purpose.

CURING: Appropriate and good curing practice should be maintained by water spray for 4 to 5 days and however traffic and other activity should be delayed to prevent damage to the surface of the foamed surface before it has set (minimum setting time 5 to 7 days).

