

# BLUSKY™ FOAMCRETE

## Foaming Agent for Light Weight Concrete

### Description

**BLUSKY™ FOAMCRETE** 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.

### FEATURES

**BLUSKY™ FOAMCRETE** 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.

### Indicative Characteristics

Form	Liquid
Specific Gravity@30°C	1.04 ± 0.03
Solubility	Infinitely soluble in water
Chloride Content	Nil to BS: 5075 Part I
Toxicity	Non-Toxic
Compatibility with cement	Compatible with Portland cement
Water Absorption	Absorption of foamed cement containing 60% voids after 3 months immersion in water, shows only 20% increase in volume.

### Domains of Application

**BLUSKY™ FOAMCRETE** can be used for the production of low-density foamed mortar and concrete.

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

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website [www.bluskyscpl.com](http://www.bluskyscpl.com)

### Method Of Application

**BLUSKY™ FOAMCRETE** is supplied as 'ready for use' pack and should be added to the mix with gauging water.

Generally, higher the dosage rate, greater the air entrainment but mixes with low workability requires a higher dosage rate to give a specified air content. In addition, concrete having a low cement but high sand content will require less **BLUSKY™ FOAMCRETE** than a cement rich, low sanded concrete. Other factors to be taken into account include aggregate grading, strength requirement, yields and temperature. Foamed concrete made by **BLUSKY™ FOAMCRETE** of lightweight and free flowing. It can be placed easily by pumping and does not require compaction or leveling. It has superior strength, excellent resistant to water and frost and provides a high level of sound and thermal insulation.

### Dosage

As a guideline, the rate of addition generally varies between 250 gm to 700 gm per 50 kg of cement. 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.

### Advantages

- High efficiency even at low dosage
- Excellent stability in alkaline conditions
- It can be used with all types of light weight aggregates to produce very low density concrete mixes.

### Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

### Packing

20 kg bucket or 200 kg drum.

# BLUSKY™ FOAMCRETE

## Foaming Agent for Light Weight Concrete

### Precautions

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

### Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet.  
The MSDS is available on [www.bluskyscpl.com](http://www.bluskyscpl.com)

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website [www.bluskyscpl.com](http://www.bluskyscpl.com)