CHEMA FOAM

BUILD YOUR DREAM

FOAM CRETE

It is a special compound added to cement mixtures to produce lightweight concrete and foam concrete.



Product Data:

Color:	Colorless
Form:	Liquid
Package:	5 kg & 20 kg (Jerrycans) - 200 kg (barrel drum) - 1000 kg (Tank).
Storage:	12 months when stored at between 5 to 40 °C.

Technical Data:

Density, (g/cm3):	1,010
PH:	9
Chloride content, (%):	Nil
Toxicity:	Non- Toxic

BENFITS:

1- well thermal and sound insulation.

2- Non-flammable.

3- The possibility of achieving multiple concrete densities for multiple uses.

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It is a special compound added to cement mixtures to produce lightweight concrete and foam concrete.

USES:

- Producing a lightweight concrete layer for surfaces.
- Create a thermal and sound insulation layer for surfaces
- It is used in lightweight reinforced concrete elements, such as lightweight concrete used to fill voids under foundations and around water facilities.
- It is used in the production of lightweight bricks.
- It is used to adjust floor levels at different levels

METHOD OF USE:

1. A suitable foam generator must be used to produce pre-foam by feeding a mixture of Chema Foam Crete material, drinking water and compressed air.
2. Mixing Chema Foam Crete to water at ratio 1-14.
   The initial foam is fed into cement mortar with water and sand, or cement with water only and mixed for 3 - 5 minutes to obtain a homogeneous mixture.
   After that, the foamed concrete is pumped and placed at the required thickness and slope.
5. Recommended dose (by weight of cement) 0.1% - 0.5%, depending on the required density from 400 to 1600 kg/am3 and the type of aggregate used or with cement only without aggregate.
6. The optimal dosage for the special concrete mix must be determined through on-site tests.

OFFICE

11Obour Buildings - Salah Salem
Nasr City Cairo - Egypt.

FACTORY

10th of Ramadan
B4 industrial zone

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Density (kg/m^3)	Cement (kg)	Sand (kg)	Water (kg)	Foam Crete (gm)	Strength (Mpa)
400	350	50	140	700	< 1
600	300	250	100	600	1 - 1.5
800	300	400	110	500	1 - 2
1000	300	600	120	430	1 - 2.5
1200	300	800	130	340	2 - 3
1400	300	950	140	300	2 - 3.5

Mix Proportions & Specifications

نسب الخلط والموصفات