



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:	White
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/cm ³):	1,010
PH:	9
Chloride content, (%):	Nil
Toxicity:	Non- Toxic

BENEFITS:

- 1- well thermal and sound insulation.
- 2- Non-flammable.
- 3- The possibility of achieving multiple concrete densities for multiple uses.

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■ 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

■ MIXING RATIOS:

TYPE	CEMENT (Kg)	SAND (Kg)	Water (Liter)	CHEMA FOAMING (Liter)	Pupose	compressive strength (N/mm ²)	Thermal Conductivity
D400	350	400	350	700	Insulation	--	10%
D800	300	400	100	520	Insulation	1	28%
D1000	300	590	110	440	Insulation	1.5 - 2.5	35%
D1200	300	800	130	350	Leviling	2 - 3.5	--
D1350	300	940	140	300	Leviling	2 - 3.5	--
D1600	300	1180	160	195	P.C (Under Foundation)	3- 6	--

■ METHOD OF USE:

- 1- A suitable foam generator must be used to produce pre-foam by feeding a mixture of chemical foaming material, drinking water and compressed air.
- 2- Use the compressor after adding Chema Foaming to the mixing water at a ratio of 1-14.
- 3- The initial foam is fed into dry cement, cement paste with sand, or cement with water and mixed for 3 - 5 minutes to obtain a homogeneous mixture.
- 4- After that, the foamed concrete is pumped using a suitable screw pump and placed at the required thickness and slope.
- 5- Recommended dose (by weight of cement). For lightweight concrete, 0.1% - 0.5%, depending on the required density from 400 to 1600 kg/m³ 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

