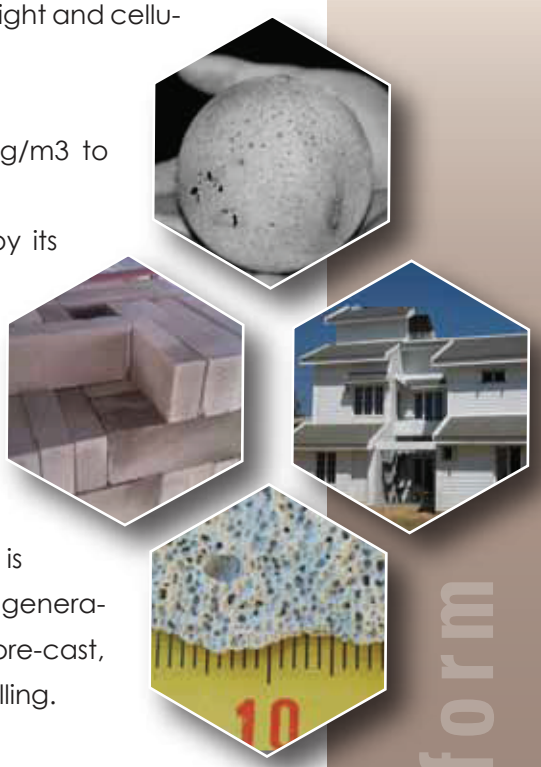
ChemFOAM FA300

CHEMFOAM is a light yellow light concrete foaming agent for use in all light and cellular concrete and screeds.



Foamed (cellular) concrete may have densities from as low 500 kg/m3 to 1600kg/m3 and strength from less than 1 N/mm2 to 25 N/mm2.
Our foaming agents are of good quality and have been proven by its usage in many countries around the world for various applications such as block production; pre cast panels, in-situ concrete, and decorative concrete and void filling.
Foam concrete is produced by incorporating a uniform structure of fine air bubbles into a concrete mix consisting of cement, water and optionally sand. Precise volume management of the air content in the mix is controlled by the amount of added foam, which is produced from a specially designed liquid concentrate using a foam generator. Foam concrete has a wide range of applications including pre-cast, geotechnical fill, foundation plates, structural applications and void filling.

Advantages of CF

- Reliable. Foam Concrete is inherently a very long-lasting material
- Excellent insulating material % allow fast construction
- Highly workable material that can be easily poured into various shapes
- Providing additional acoustic insulation for floors and roofs.
- It is also possible to make foam concrete with a very smooth, consistent surface – something that is very difficult with regular concrete.
- Can be a sturdy fire-resistant barrier providing satisfactory protection for hours.

Dilution

Dilution of foam concentrate can vary from 1:33 to 1: 39
1 liter FA 300+ 39 lit water = 40 lit premix foaming solution
40 lit premix expands to about 500 lit stable foam @ about 80 g/lit foam weight

Uses

- FA300 is compatible with most of the foam generators.
- Roof Slope without un necessary weight on the building
- Good thermal and cold insulation for roof and wall
- Insulation of pipes in cold conditions.

engineered to perform

Properties

Construction	Yellow colour liquid
Specific Gravity	1.1
Chloride and Nitrate content	Nil
Freezing point	Below 0°C
Flash Point	Nil

The quality of the cement is directly determined to the strength of the concrete. So, it should be fresh and fine .The water should meet the std of drinking water.

Water-Cement ratio is very critical due to its effect on the quality of the foam concrete. It has been noticed that the most advantages water-cement ration lies between 0.40 and 0.45.

And one cubic meter of foam concrete requires between 400-450 kg of cement depending on initial densities.

Crushing Strength

Density Kg/m³	Compressive strength Kg/cm²	Materials
300	5	Cement
400	8	Cement
500	15	Cement
600	22	Cement
650	14	290kg cement+300kg sand

mix	type	Water: cement	Density kg/ m³
cement	Pre-foamed	0.70-0.85	480
cement	Pre-foamed	0.45-0.55	480
1:1 sand: cement	Entrained or pre-foamed	0.45-0.55	1120
2:1 sand: cement	Entrained or pre-foamed	0.55-0.65	960 1120
3:1 sand: cement	Entrained or pre-foamed	0.65-0.75	1440
4:1 sand: cement	Entrained or pre-foamed	0.75-0.85	1600 1200

Packing : 200Litre Drum

STORAGE: Store materials between 40°-90°F with careful handling to prevent damage to products. If conditions exceed these ranges, special consideration in storage must be taken. Do not store at high temperatures in direct sunlight. Shelf life under normal conditions in closed container will be 12 months.

HEALTH AND SAFETY

Use proper hand glows , mask while using the product. Keep away from children. Refer MSDS prior to the use of this product

WARRANTY

On preapproved, qualified applications, when you use an approved applicator, a 25-year warranty is available. Contact us for complete warranty information.

engineered to perform

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