



CHEMA FOAM

BUILD YOUR DREAM

CHEMA LIGHT

Polystyrene beads, Chemically treated, to be mixed with aggregate and cement for Lightweight concrete production.



Technical Data

Specifications	Unit	Values	Tolerance
Density	kg/m ³	70	±10
Concrete density	kg/m ³	600:1800	±50
Package weight	kg	5	±0.5
Compressive strength	MPA	6:15	±0.5
Granules Colour		light rose	

Mixing Ratio

Density kg/m ³	Cement (kg/m ³)	Sand (kg/m ³)	Chema light (kg/m ³)	Water (litres)
800	400	200	75	195
1000	350	300	60	175
1200	350	350	50	175

The lightweight concrete produced by the foam beads can be used in non-structural elements such as wall panels, slope concrete, and fill voids to reduce the load on the structure. Lightweight concrete can be made by replacing aggregate with lighter materials. The foam beads are lightweight, water-resistant, chemically inert, and can insulate heat.

Advantage



- Light Concrete production
- High compressive strength with low densities.
- High workability and easy molding
- Improves thermal and acoustic insulation properties of concrete.
- It is used to raise the levels without adding any mega loads

Recommendations



- Avoid using mechanical vibrators
- It should be treated according to the standards
- Do not pour from high places

INSTALLATION



01

Put chema-light into the mixer

Add cement and aggregates to the mixture

02



03

Add water according to the ratio With the mixing till the homogeneous

The concrete is ready, Empty the mixer and use the concrete according to the needed application.

04



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