



CHEMA FOAM

BUILD YOUR DREAM

| CHEMA WHITE





CHEMA FOAM
BUILD YOUR DREAM

CHEMA WHITE

CHEMA WHITE is expanded polystyrene foam used for multi applications such as Expansion joint, void filling & wall thermal insulation.

Applications

- Thermal and acoustic insulation.
- As a flexible expansion joint.

Key Features

- It saves electricity power up to 40%.
- It is light-weight so easy to handle during transportation and installation.
- It provides thermal insulation that reduces electricity consumption
- Allows to use a low wattage air conditioner.
- Classified according to the specification ASTM C578

Installation method

- Build two parallel solid brick walls.
- Install CHEMA WHITE sheets between the brick walls.
- Finish the walls.

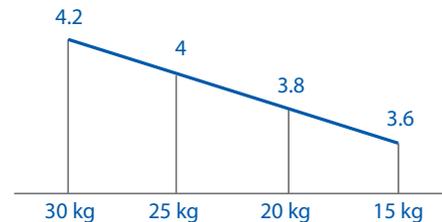
Application benefits

- No thermal joints between bricks.
- Partially eliminates thermal joints with beams and columns.

Technical Specifications

Thermal resistance - R-value

Thermal resistance (R-value), it is the unit of thermal resistance. High R value refers to high level of energy saving, CHEMA WHITE sheets enable to save up to 40% of energy which is a great value.



According to the specification ASTM C518

Compressive strength

It is the highest axial compression stress which the material achieves upon complete collapse.

Safety precautions

- CHEMA WHITE boards are breakable.
- Keep away from sparks and flame.
- Avoid strong oxidizing agents and aromatic solvents.
- Avoid stacking on the edge of the product.

Technical Data

All values are per inch

Description	S. Specification	Unit	Density (Kg/m³)						
			10	12	15	20	25	30	35
Thermal resistance	ASTM C518	R-VALUE	3.0	3.4	3.6	3.8	4.0	4.2	5.0
Water absorption	ASTM C272	%	6.0	5.0	4.0	3.0	3.0	2.0	1.5
Compressive strength	ASTMD 1621-73	KPA	58	62	70	90	105	175	220
Smoke Development	ASTM E84	Class B	< 75						
Flame Spread	ASTM E84	Class B	< 450						

EPS White Expanded polystyrene foam

note: Kpa = 0.01 ton/m²

OFFICE

Tel : (+202) 22 635 129 - 240 382 59
Fax : (+202) 22 609 332
11 Obour Buildings - Salah Salem
Nasr City Cairo - Egypt.

FACTORY

Tel : (+20554) 501243
Fax : (+20554) 501243
10th of Ramadan
B4 industrial zone

