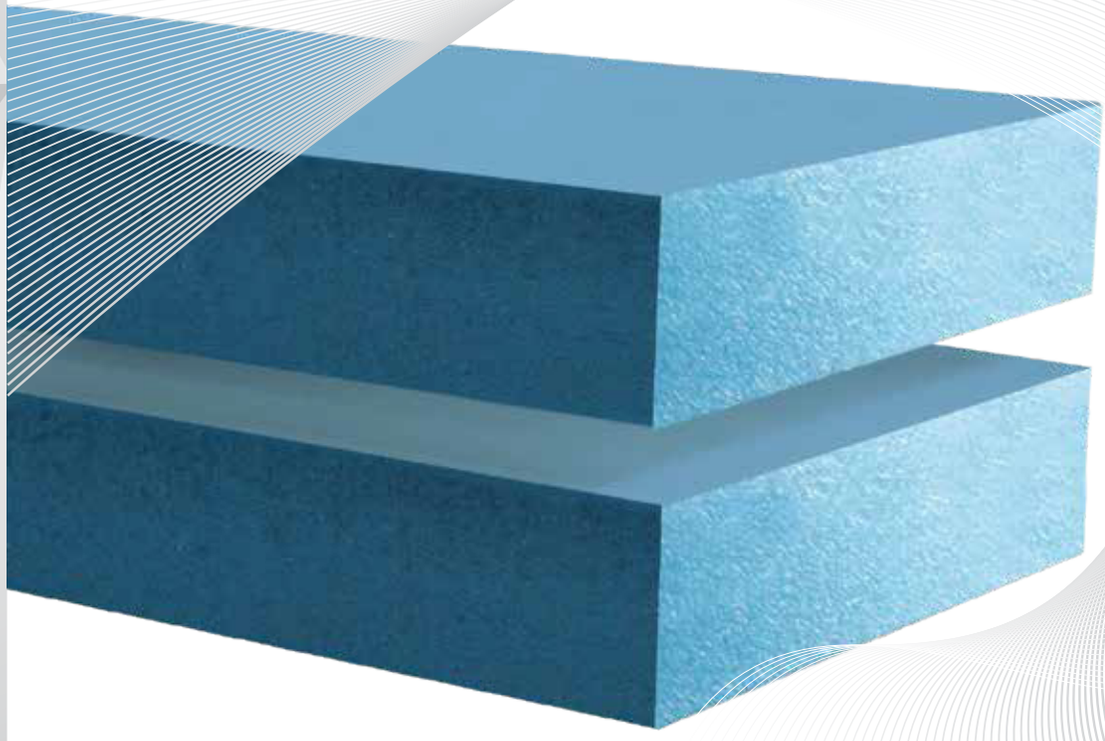
CHEMA FOAM

BUILD YOUR DREAM

CHEMA ADVANCED

36:40 Kg/m³



www.chema-foam .com

CHEMA ADVANCED

CHEMA ADVANCED is extruded polystyrene foam used as thermal insulation for buildings Roofs and walls.

Chema advanced advantages

Key Features

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

Technical specifications

- Rated according to ASTM C578
- Chemical emission standards are met with the GREENGRUARD certification to suit the educational environment of child safety.
- ENERGYSTAR® requirements are met
- Ozone depletion (zero)
- The maximum temperature is 122 ° F (50 ° C).

Technical Data

Description	ASTM Test	Unit	Values
Density	D1622	Kg/m3	36:40
Compressive strength	D1621	Kpa	350:450
Flexural Strength min.	C203	Kpa	550
Oxygen Index min.	D2863	%	24
Water absorption	C272	%	0.2
Dimensional Stability	D696	%	0.5
Thermal conductivity	C518	W/m °C	0.033
Thermal Resistance	C518	$K.m^2/W$	(R-5.0) 0.88
Water Vapor performance of 1.00-in. (25.4 mm) thickness max.	E96	$g/h.m^2$	63 (1.1)

Technical Specifications

Thermal resistance - R-value

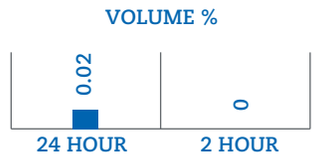
Thermal resistance (R-value), it is the unit of thermal resistance. High R value refers to high level of energy saving, CHEMA ADVANCED sheets enables you to save up to %40 of ene

Water absorption resistance

water absorption resistance is an important feature of the CHEMA ADVANCED product , which preserves the R-Value and compressive resistance even when immersed in water.

Closed cells

CHEMA ADVANCED water absorption resistance due to the manufacturing process,which is continuous extrusion process to form homogeneous cells called "closed cells", which is a highly efficient barrier against water absorption.



Water absorption resistance tests accordance ASTM C578

Safety precautions

- CHEMA ADVANCED 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 specifications

- After roof waterproofing is completed, isolate surface with chema advanced without breaks.
- Cover CHEMA ADVANCED panels with a light cement layer For finishing processing.
- Do not let CHEMA ADVANCED without covering for more than 24 hour for non-exposure to ultraviolet light.

Storage and Application Information

- It is preferable to store the panels in covered places away from direct sunlight to avoid high temperatures.
- It is preferable to have good ventilation in the storage area to avoid heat accumulation and prevent the panels from burning and deforming.
- It is preferable to install the panels on the roof in the early morning or before sunset to avoid exposing the panels to a strong direct sunlight.
- In the event of a high surface temperature on which the panels will be installed, whether concrete or membrane, the surface must be cooled first by spraying water before installation.
- After installing the panels on the roof, the surface must be finished immediately to prevent the panels from being exposed to a strong direct sunlight while they are on the roof.

OFFICE

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

FACTORY

10th of Ramadan
B4 industrial zone