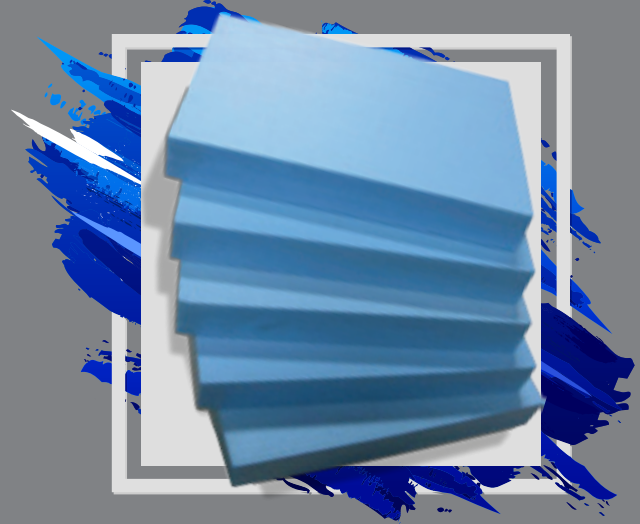


## Insulation Boards

# EXTRUDED POLYSTYRENE



## THE NEED FOR INSULATION

Insulation system reduces the heat transfer through the envelope of a building.

To maintain comfort in all seasons, the heat gained shall be removed by the cooling system. Statistics show that 50% to 70% of the energy used in the average home in the Gulf countries is for cooling. Thus, using thermal insulation to reduce this energy consumption, while increasing comfort and saving money.

## PRODUCT DESCRIPTION

E-FOAM has closed cells with common sides and is produced on a continuous, fully automated extrusion process, in accordance with international specifications and standards.

Extruded polystyrene green E-FOAM has a high resistance to water absorption. The manufacturing process, combined with intrinsic qualities of the static component thermo plastic material gives E-FOAM predictable performance and high insulating value.

## ROOF INSULATION (E-ROOF)

Roof Insulation mostly known as the inverted roof concept or upside down roofing, succeeds in insulating both the waterproofing membrane and the R.C. slab from extreme thermal stress.



## ROCKWOOL

### WALL INSULATION (E-WALL)

#### Interior Wall Insulation

- Interior Thermal Insulation is used where existing buildings require insulation, building with special exterior finishes and building with intermittent air conditioning.
- The Internal lining E-FOAM (Wall fix) can be used either with adhesives or by mechanical fasteners.

#### Cavity Wall Insulation

- Cavity Wall Insulation is an advantage where an external brick of any type and finish is required. Also, for any type for air conditioned buildings or GRC panels with adhesive or mechanical fasteners.

#### Exterior Insulation

- It is most efficient way of insulating buildings without interrupting structure elements. E-FOAM (Wall fix) can be fixed behind granite or GRC panels with adhesive or mechanical fasteners.

### FLOOR INSULATION (E-FLOOR)

Floor finish is particularly important in the Middle East: especially where the soil temperature is very high. Good floor insulation helps reduce heat flow through the floor into air conditioned buildings. E-FOAM (Floor fix) is an ideal thermal insulation product due to its high compressive strength, high resistance to water absorption, moisture penetration and low thermal conductivity.

E-FOAM can be used for special floor applications such as cold store and parking deck floors.



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