



## Since 1979, who are we:

Located in the United Arab Emirates, Sharjah, our 107,500sq.ft facility has the most advanced design and manufacturing equipment. Managements and stores are centralized in one premise; however EEI has operating offices also in Abu Dhabi and Dubai.

In the early 80's, EEI began developing "Roofmaster" (Injection Moulded Polystyrene Insulation) with German technology and collaboration. Roofmaster has since made a significant contribution to the thermal insulation system, helping in the conservation of energy and boosting of efficiency. EEI is the first manufacturer of injection moulded polystyrene in the Middle East.

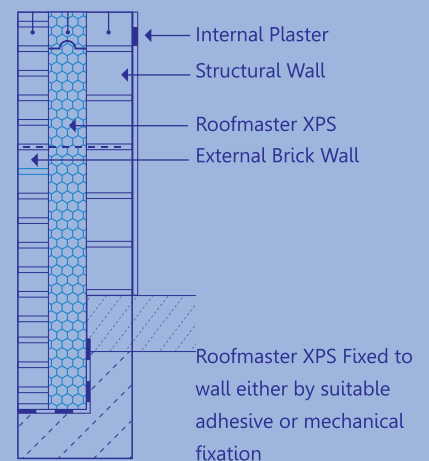
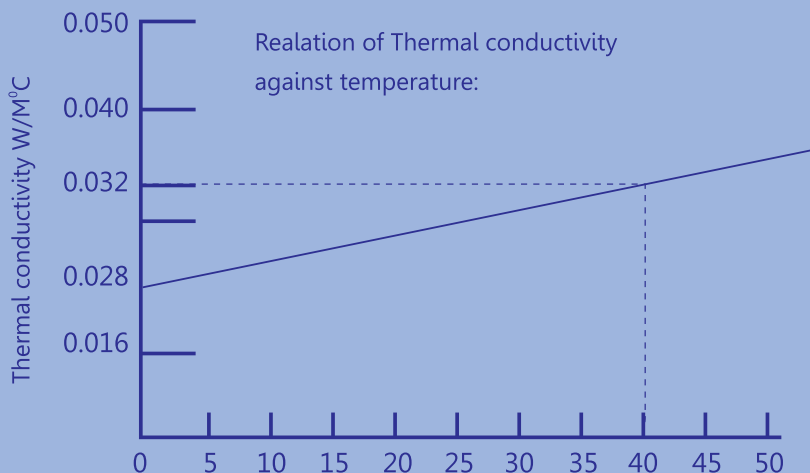
Our facility in Abu Dhabi was started in 2004 specializing in manufacture of extruded polystyrene insulation sheets under the trade name of "Roofmaster XPS"

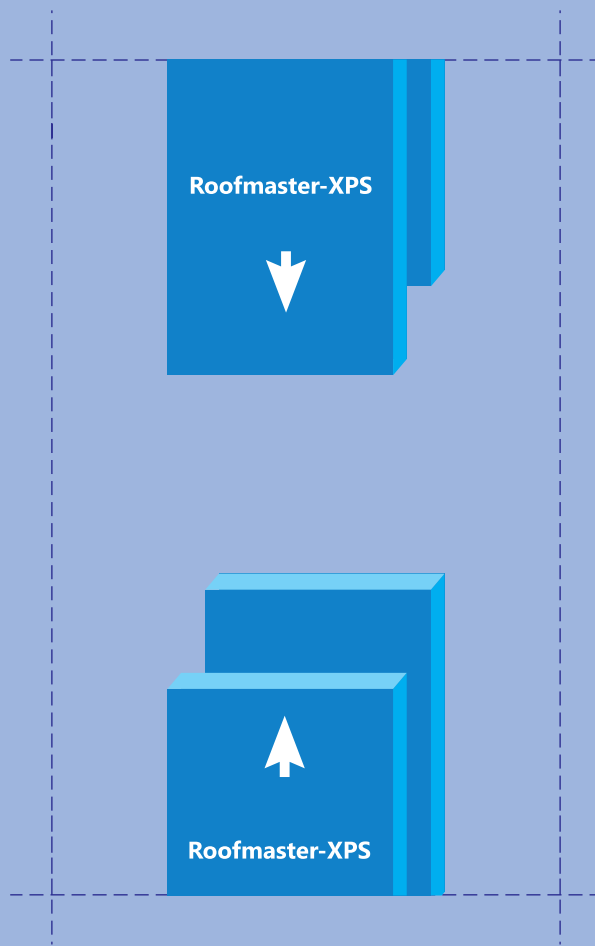
EEI is an ISO certified company and EEI products meet BSI, ASTM, DIN specifications and all products are CFC free (Environmental friendly).

## ROOFMASTER-XPS

Roofmaster-XPS is the trade name of the blue extruded rigid foam boards made out of top quality general purpose polystyrene. Manufactured by state-of-the-art computerized extrusion machines according to international norms and standards. Roofmaster-XPS boards are made in a continuous skin surface and developed into a closed cell structure. This process allows high thermal resistance and superior water resistance properties. Roofmaster-XPS provides the uniform density distribution, dimensional stability, very high compressive strength, aging resistance and also immunity against insects, pets, bacteria, and also provide good physical properties and long-term performance

PRODUCTS	DESCRIPTION	APPLICATION	DIMENSION	(MM)
ROOFMASTER XPS-UHD (Ultra High Duty)	Extruded Polystyrene	Roofs	Width	600
	Rigid Foam	Floors	Length	1250/3000
		Walls	Thickness	25.40.50.60.75.100
		Protection Board		
ROOFMASTER XPS-UHD (Special High Duty)	Extruded Polystyrene	Roofs	Width	600
	Rigid Foam	Parking decks	Length	1250/3000
		Floors	Thickness	25.40.50.60.75.100
		Walls		
		Protection Board		





PROPERTY (Average)	STANDARD	UNIT	ROOFMASTER XPS-UHD
Density, min	Din 5342 ASTM D-1622	Kg/M <sup>3</sup> lb/ft <sup>3</sup>	32-35 2-2.2
Thermal Conductivity			
At 10°C (50°F) mean temperature of test	ASTM C-177	W/m K Btu in/sq.ft.hr.F	0.024 0.168
5 Years aged (design value) at 24°C(75°F) mean temp	ASTM C-518	W/m K Btu in/sq.ft.hr.F	0.026 0.182
At 35°C(95°F) mean temp.	ASTM C-158:2004	W/m K Btu in/sq.ft.hr.F	0.028 0.196
Compressive strength at 10%deflection	DIN 53421 ASTM D-1621-73	Kpa psi	300 43
Water vapour diffusion resistance facor	DIN 52615	μ	100-200
Water vapour permeability	ASTM C-355-64	Perm inch	0.4-0.6
Water absorption by submersion	ASTM D-2842 ( ± %by vol.precision)	% by vol.	0.05
Dimensional stability (change in dimensions), max%			2.0
Flammability	Din 4102	Building material Class	B1