

STYROTOP®

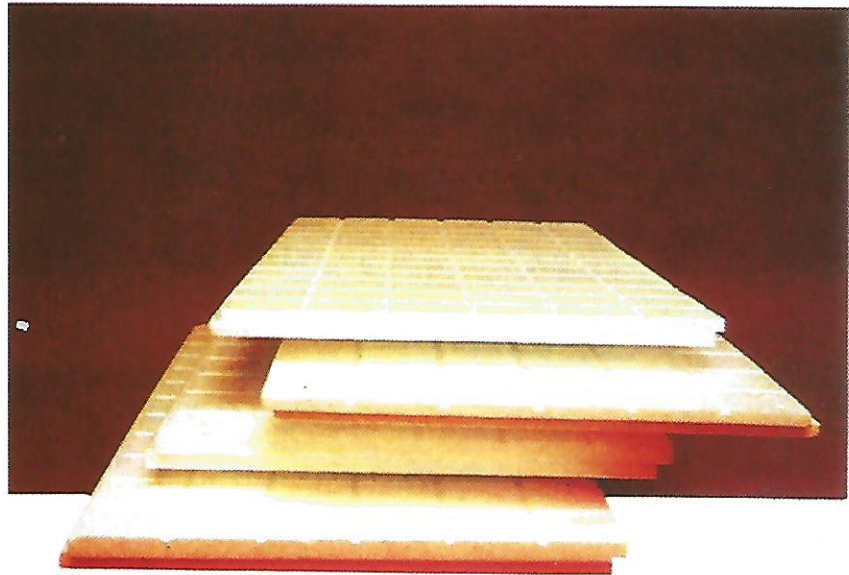
Polystyrene moulded boards
With ventilation channels



MADE IN THE SULTANATE OF OMAN

STYROTOP®

Polystyrene moulded Roof Insulation Boards with ventilation channels



Manufactured by **MUTRAH INSOFOAM CO.**, pioneers of EPS manufacturing in Sultanate of Oman, with their vast experience and expertise since 1982 in the field, and using state of the art machines, the product meets and conforms to the most stringent International specifications, design and quality for modern roofing

Made from CFC free fire retardent Polystyrene (EPS), **STYROTOP®** roof insulation board offers excellent benefits by keeping the heat out from homes and buildings, **reducing air-conditioning costs** (enhancing air-conditioning efficiency) and resulting in **perpetual saving of energy/electricity bills** over the life span of the premise. The boards are available in various densities and thickness according to customer's requirement.



Results achieved as per BS 3837 for STYROTOP®

	GRADE	SHD	UHD	HD
Density		32 - 35	28 - 30	18 - 20 Kg/m ³
Compressive stress at 10% deformation		260 Kpa	205 Kpa	110 Kpa
Water vapour permeability at 30°C		3.7 rh	3.5 rh	4.0 rh
*Thermal conductivity at 24°C w/mk		0.030	0.032	0.035
Cross breaking strength				
a) Longitudinal		480 Kpa	387 Kpa	240
b) Transverse		475 Kpa	448 Kpa	225
Dimensional strength at 80°C		0.5%	0.5%	1%
Fire Classification		B1	B1	B1
*5 years aged value				

TABLE I

'U' values for Inverted Roof System with various thickness of STYROTOP® UHD GRADE

S. No.	Type	STYROTOP®		
		50mm	75mm	100mm
1.*	Thermal Conductivity W/m 24°C	0.033	0.033	0.033
2.	Resistivity mK/w	29.41	29.41	29.41
3.	Resistance due to insulant	1.515	2.272	3.030
4.	Resistance due to Paving Slabs (38 mm)	0.069	0.069	0.069
5.	Resistance due to Asphalt Felt (4 mm)	0.005	0.005	0.005
6.	Resistance due to R.C.C. Roof (125 mm)	0.104	0.104	0.104
	Total (3+4+5+6)	1.693	2.450	3.208
	'U' Value (1/Total) W/m ² k	0.590	0.408	0.312

*5 years aged values

We find it worth while to mention some of the good features available in STYROTOP® boards.

1. Pressure moulded eliminating tendency to curl.
2. Accurately moulded ship lap joints ensure close butting and elimination of heat bridging.
3. Complies and exceeds the requirement of BS 3837.
4. Moulded in ventilation channels allow breating and moisture removal from the surface of the water proofing membrane, a unique STYROTOP® feature.
5. Size of sheet 1220 mm x 620 mm (or) 1250 mm x 600 mm
6. Thickness available - 50, 60, 75, 100mm
7. CFC Free and Fire Retardent.

APPROVALS

Ministry of Defence, Diwan of Royal Court, Royal Oman Police, Ministry of Health, Petroleum Development Oman, Ministry of Commerce & Industry, Ministry of Education . etc.



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