

TECHNICAL DATA

ITEM	UNIT	BONDED POLYETHYLENE FOAM SHEET					
		5	10	15	20	25	50
1. THICKNESS	mm	5	10	15	20	25	50
2. EFFECTIVE WIDTH	m	1 - 1.2 ; 1 - 1.5					
3. THERMAL CONDUCTIVITY, K	W/MK	0.022	0.022	0.022	0.022	0.022	0.022
	BTU.IN Ft ² H ⁰ F	0.1539	0.1539	0.1539	0.1539	0.1539	0.1539
4. THERMAL RESISTANCE, R	M ² K/W Ft ² H ⁰ F BTU	0.23	0.46	0.69	0.92	1.14	2.3
		1.3	2.6	3.9	5.2	6.5	13
5. DENSITY	g/cm ³	0.03-0.05					
	PCF	1.83 - 3.00					
6. SERVICE TEMPERATURE	°C	90 MAXIMUM -210 MINIMUM					
7. WATER ABSORPTION	mg/cm ²	0.02					
8. REDUCTION ON HEAT FLOW WHEN INSTALLED	OVER PURLINS (%)	87	88.5	90	91	92	-
	UNDER PURLINS (%)	90	91	92	93	93.3	96

PRODUCT DESCRIPTION

BETAFOAM is a non-cross linked, closed cell, POLYETHYLENE foam made from the extrusion of low density polyethylene resins.

The closed cell structure of Betafoam makes it heat proof, water proof, sound proof, non-fibrous and chemical resistant over a long period of time. It is the superior insulation material because it is non-toxic, lightweight and easy to install.

APPLICATIONS

BETAFOAM aluminized insulation is primarily used as thermal insulation for roofs and walls. It is a good moisture barrier or damp proofing material and has sound dampening properties. It is the ideal insulation for aircon units, chemical pipes and duct works.

BETAFOAM insulation has a wide range of usage from single residential, agricultural structures to more complex multi-storey, commercial and industrial structures.

WATER ABSORPTION

Water absorption is 0.02 mg/cm². Moisture permeability is 5.8 g/cm² at 24 hours exposure.

DENSITY

0.03-0.05 g/cm³ or with PCF units of 1.83-3.0

RATING PERFORMANCE

Maximum service temperature of betafoam insulation is 90 °C. Shrinkage is 0.3% at 70 °C.

COMPRESSION STRENGTH

Betafoam is very resilient. Its compression strength is 2.9 - 3.5 kg/cm²

FLAME RESISTANCE/BURNING RATE

When treated with fire inhibitor, burning rate is about 0.25 cm²/sec using ASTM method.



Plant Site

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THE SUPERIOR INSULATION MATERIAL

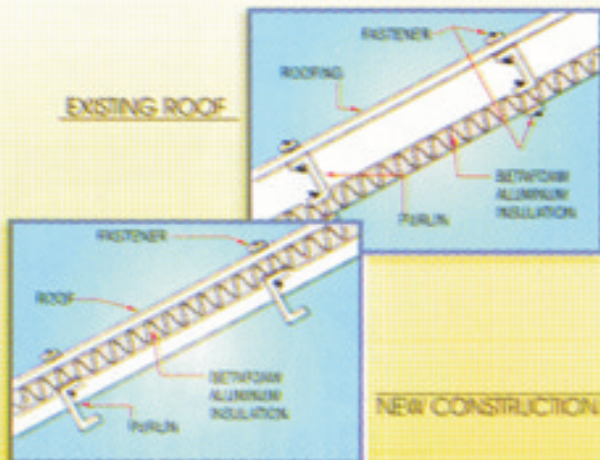


ROOF INSULATION



- EXCELLENT HEAT INSULATION
- REFLECTS SOLAR HEAT
- EFFECTIVELY DECREASES NOISE FROM RAINDROPS

INSTALLATION DETAILS

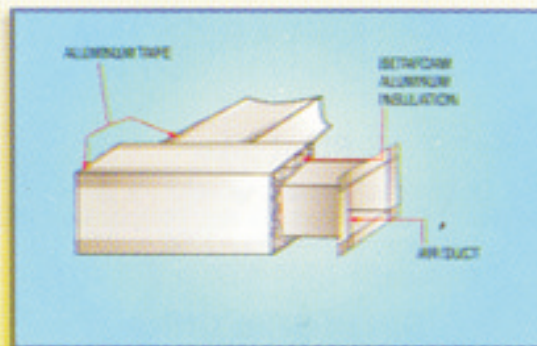


AIRCON DUCT INSULATION



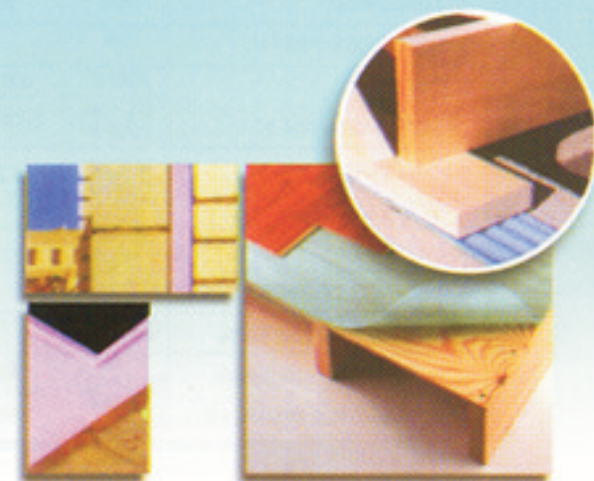
- LOW THERMAL CONDUCTIVITY
- PREVENTS DEW FORMATION
- HIGHLY CHEMICAL RESISTANT

INSTALLATION DETAILS



INSULATION FOR AIR CONDITIONING DUCTS

WALL/FLOOR INSULATION



- PREVENTS WATER SEEPAGE
- EFFECTIVE SOUND DAMPENER
- PROTECTS LAMINATED FLOORS

INSTALLATION DETAILS

