



TaperedPlus Limited

Roof Boards

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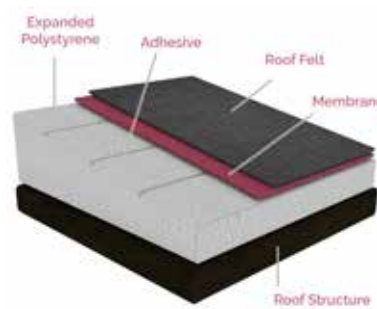
Description

We manufacture a wide range of roofing insulation products to meet the various required applications. We work in conjunction with roof package.

A main consideration for a specifier is to decide which weather proof finish is required and then build up a compatible system to accommodate this, coupled with of heat on the construction both during construction and after completion.

Other important issues involve the selection of a compatible adhesive, sealant and or membrane plus the control of water systems that are available in a wide range of densities and thicknesses with, a square edge, shiplap or tongue and grooved edge detail.

Cut-to-falls insulation offers the ideal solution to refurbishment and ponding problems on existing buildings. Uniform thickness boards are suitable for roofs which have an existing fall incorporated and are unaffected by bacteria, fungi or molds and maintain their thermal efficiency throughout the life of the building.



Advantages of S and B Roof Boards:

- Lightweight & easy to handle
- Water resistant
- Quick and easily to install
- 100% Recyclable
- **A+ green guide rating**

Features	Grades EPS						Lamdatherme	
	EPS70	EPS100	EPS150	EPS200	EPS250	EPS500	70	ELITE
Thermal Conductivity (λ) value W/mK (10°C mean)	0.038	0.038	0.035	0.034	0.033	0.033	0.035	0.035
Compressive Strength kPa Min (at 10% compressive strength)	70	100	150	200	250	500	70	100
Cross Breaking Strength kPa Min	115	150	200	250	350	750	115	150
Safe working load kPa at 1% nominal compression	21	45	70	90	100	190	21	45
Vapour diffusion resistance factor μ1	30-40	30-70	30-70	40-100	40-100	40-100	20-40	30-70
Vapour permeability Δwg [g/m ² /h/mv]	0.015 to 0.030	0.009 to 0.030	0.009 to 0.030	0.006 to 0.015	0.006 to 0.015	0.006 to 0.015	0.015 to 0.030	0.009 to 0.030

Compatibility

S and B EPS roof insulation can be adapted to suit a wide range of applications including weatherproof roof membranes.

Unlaminated expanded roof boards are suitable for use under EPDM/ butyl between the polystyrene and the membrane.

Pre-felted boards are suitable where built up felt or high performance roofing felts are used with mastic asphalt roofing, but care must be taken away when laying very high ambient temperatures (technical information available on request).

Identification / colour coding of products manufactured to BS EN 13163		
EPS 70E	2 x brown stripes & 1 red stripe	
EPS 100E	1 x black stripe & 1 red stripe	
EPS 120E	2 x green stripes & 1 red stripe	
EPS 150E	1 yellow stripe & 1 red stripe	
EPS 200E	2 x black stripes & 1 red stripe	
EPS 250E	1 violet stripe & 1 red stripe	
EPS 500E	1 x black, 1 green & 1 red	



Contact us:

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