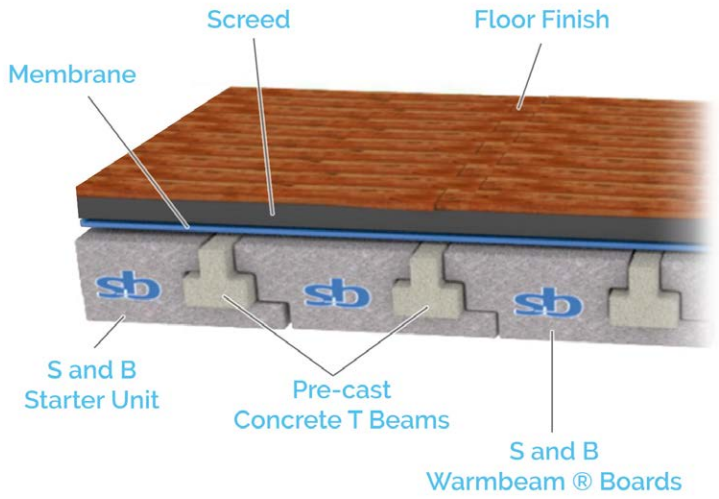
S and B EPS Limited

Manufacturers of expanded polystyrene

Warm Beam & Warm Beam Plus

Technical Datasheet



Features	Warm Beam Grades EPS			Warm Beam Plus Lambdatherm®	
	EPS70	EPS100	EPS150	70	ELITE
Thermal Conductivity [k] value W/mk (10°C mean)	0.038	0.036	0.035	0.032	0.030
Compressive Strength kPa Min (at 10% compressive strength)	70	100	150	70	100
Cross Breaking Strength kPa Min	115	150	200	115	150
Safe working load kPa at 1% nominal compression	21	45	70	21	45
Vapour diffusion resistance factor μ1	20-40	30-70	30-70	20-40	30-70
Vapour permeability δmg [pa.h.m]	0.015 to 0.030	0.009 to 0.020	0.009 to 0.020	0.015 to 0.030	0.009 to 0.020

Advantages:

- Speed of laying application
- Thermal conductivity as low as 0.030 W/mk with Warm Beam Plus.
- Interlocking panels to stop cold bridging
- Can be laid in wet conditions
- Excellent thermal properties
- A+ green guide rating

We offer a wide range of bespoke rigid insulation modules manufactured from lightweight closed cell expanded polystyrene, which are laid between pre-stressed concrete beams finished with a self levelling concrete topping.

Given that EPS is rot, moisture and draft proof it eliminates the problems associated with part C of the building regulations relating to site preparation and resistance to contaminants and moisture.

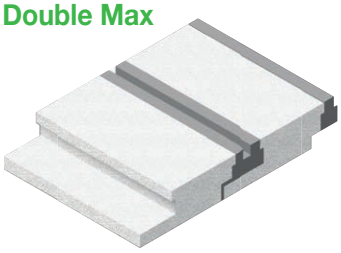
S and B EPS suspended floor panels can be installed in conjunction with underfloor heating systems meeting the demand for more environmentally sound homes whilst reducing heating costs.

The use of S and B EPS suspended modules in conjunction with pre-stressed concrete beams are a highly effective, thermally efficient way of achieving and exceeding the thermal requirements of part L of the building regulations without the need for additional insulation.

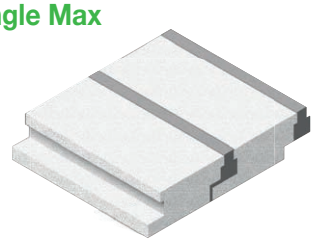
Recycling

EPS is 100% recyclable and any left over waste we can offer a 'Waste Recycling Scheme' ask one of our team.

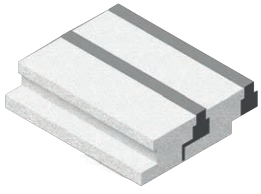
Double Max



Single Max



Single Narrow



Contact Us

Feel free to drop us a call or an email and one of our helpful staff will be happy to answer any questions or queries.

Ask about our waste Recycling scheme

BBA ISO 14001 Registered Company QMS CERTIFICATION C18/0213

BBA ISO 9001 Registered Company QMS CERTIFICATION 09/9001

CE

BBA BRITISH BOARD OF AGREMENT No: 02/3943

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