



### Advantages of S and B Structural Insulated Panels:

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

The way we build houses is changing, with environmental concerns and issues likely to dominate all our lives for the foreseeable future.

S and B Structural Insulated Panels are available in the following grades:

Features	Grades EPS					Lambdatherm®	
	EPS70	EPS100	EPS150	EPS200	EPS250	70	ELITE
<b>Thermal Conductivity</b> [k] value W/mk (10°C mean)	0.038	0.036	0.035	0.034	0.033	0.032	0.030
<b>Compressive Strength</b> kPa Min (at 10% compressive strength)	70	100	150	200	250	70	100
<b>Cross Breaking Strength</b> kPa Min	115	150	200	250	350	115	150
<b>Safe working load kPa</b> at 1% nominal compression	21	45	70	90	100	21	45
<b>Vapour diffusion resistance</b> factor $\mu_1$	20-40	30-70	30-70	40-100	40-100	20-40	30-70
<b>Vapour permeability</b> $\delta$ mg [pa.h.m]	0.015 to 0.030	0.009 to 0.020	0.009 to 0.020	0.006 to 0.015	0.006 to 0.015	0.015 to 0.030	0.009 to 0.020

As a result of this the building industry is changing to adapt new technologies resulting in the building of a brand new type of environmentally friendly energy efficient zero carbon housing.

One method of construction that will be at the forefront of this building design and technology is SIPS panels.

We at S and B EPS embrace this technology and are pleased to be able to offer a CFC and HCFC free EPS core material giving the required flexibility to achieve any required U value.



Identification / colour coding of products manufactured to BSEN 13163	
EPS 70E	2 x brown stripes & 1 red stripe
EPS 100E	1 x black stripe & 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

### More advantages:

S and B EPS SIPS core panels are manufactured from CFC and HCFC free polystyrene and are available in the following grades EPS 70E, EPS 100E, EPS 150E, EPS 200E EPS 250E and Lambdatherm®.

S and B EPS SIPS core panels offer a wide range of sizes up to 5m in length and 1.2m in width that are able to accommodate any required thickness.

### Contact Us

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



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