

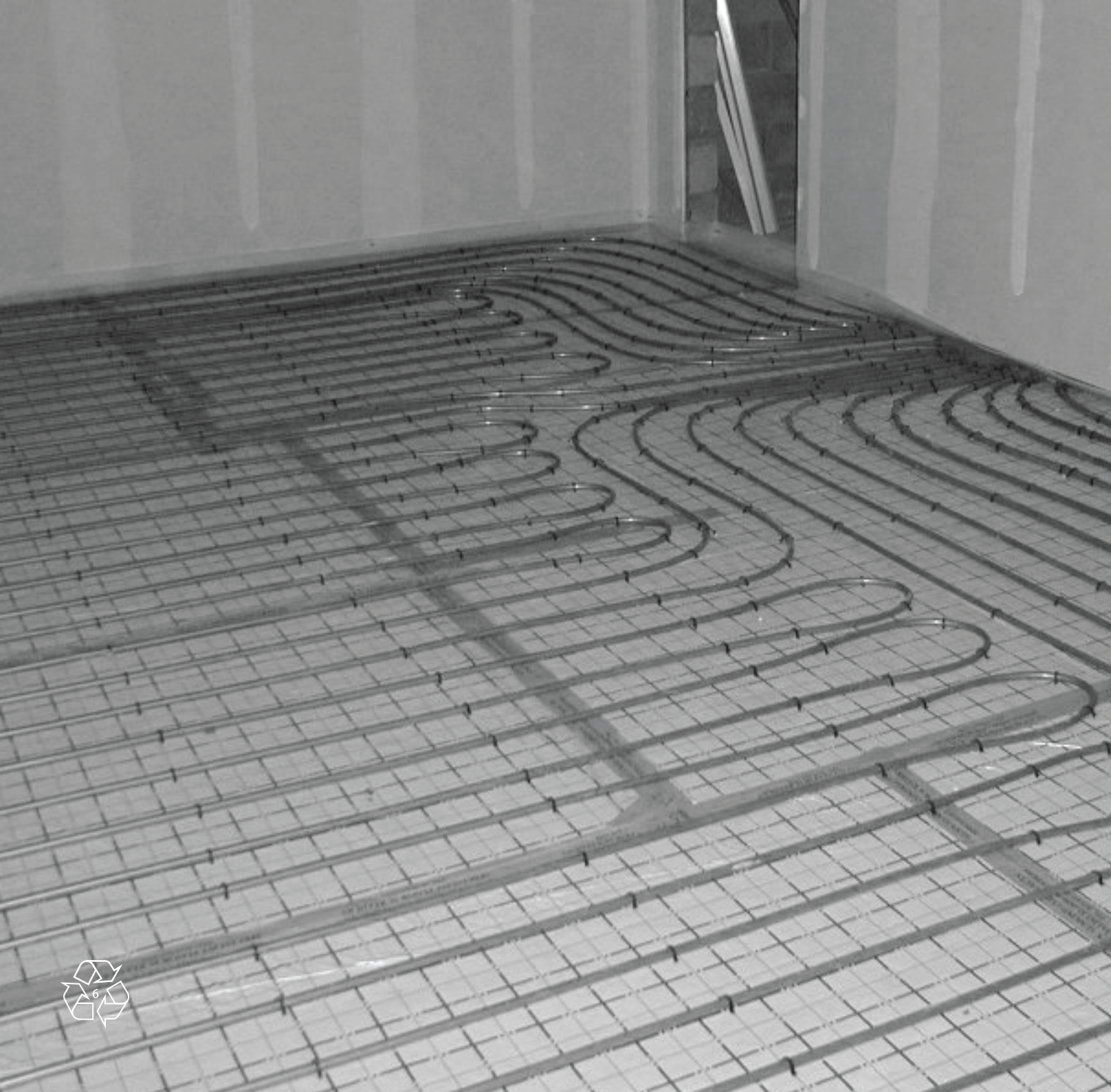


expanded
polystyrene

Insulation that exceeds expectation

Underfloor Heating Systems





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Our Accreditations

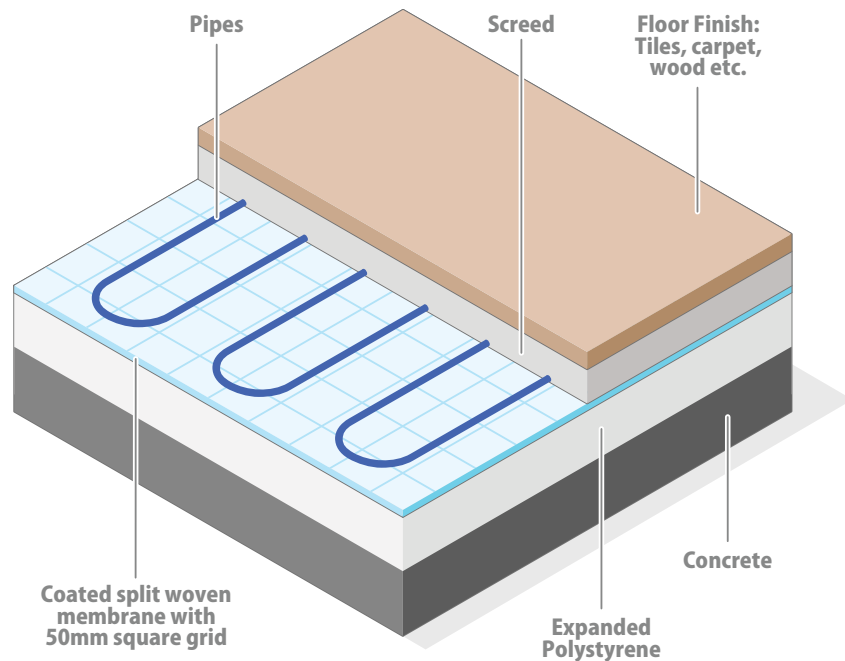


S and B Crios System Board

S and B EPS Crios system boards have been specially designed to assist in the laying of underfloor heating systems. It is a combination of an EPS board bonded to a coated split woven membrane that is blue in colour with a 50mm grid pattern to allow straight runs to be simply achieved and as with all other S and B EPS products is both CFC and HCFC free. S and B work

with design engineers and installers to make the complete package.

Standard sizes of S and B EPS Crios system boards are 2.4 x 1.2m with a 50mm film overhang on two of the sides allowing taping to form a continuous seamless surface with standard thickness being from 20mm to 200mm with other thicknesses available on request.

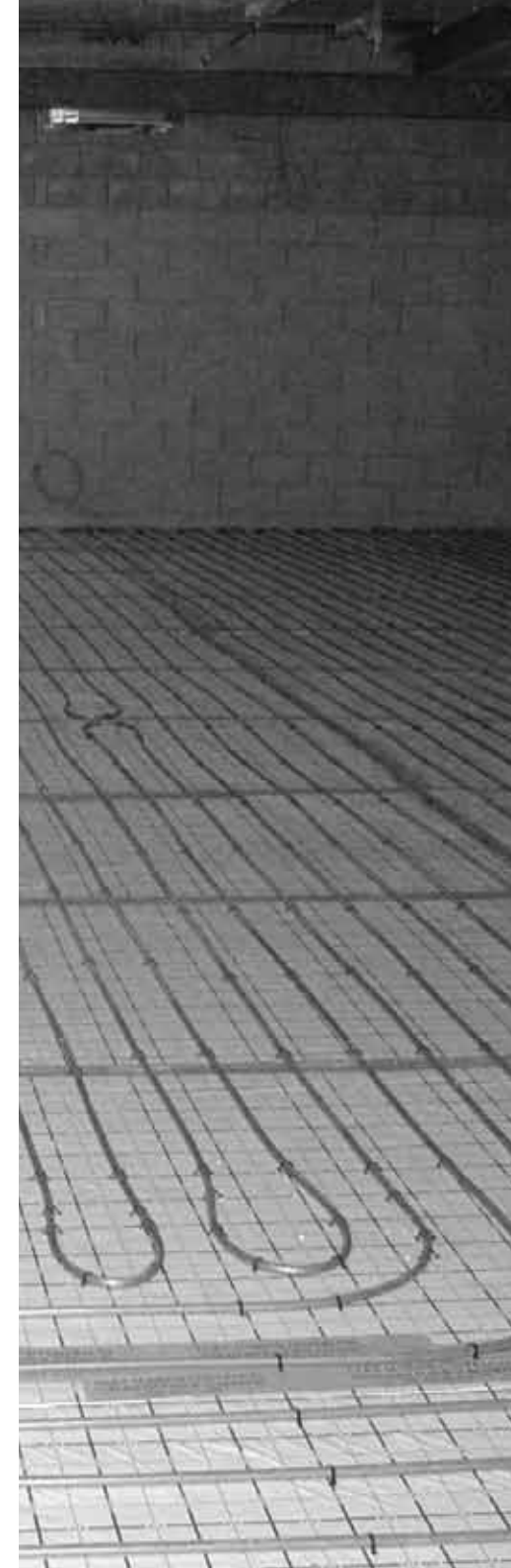


S and B EPS Crios system boards are available in the following grades: EPS 70, EPS 100, EPS 150, EPS 200, EPS 300 and Lambdatherm.

S and B EPS Crios system boards are compatible with most types of screed and readily accept all preparatory fixings ensuring that pipes remain in position until they are encased in the floor screed.

Advantages

- Gridwork provides an easy guide for installers allowing quick and accurate placing of pipe runs down to a minimum spacing of 50mm.
- Split woven membrane actively prevents pipe clips from pulling out of the material holding the pipework securely in place whilst screed is poured.
- The 50mm overlap allows for easy taping or the joints which prevents screed for entering joints between boards.
- Crios boards are quick and easy to install when compared to standard boards covered with a separate membrane.
- The split woven membrane helps to protect the surface of the eps boards during installation.
- Crios Boards are available in a variety of thicknesses to allow most u values to be achieved.
- Excellent price to performance ratio.



S and B EPS Contour Board

S and B EPS Contour board is a two part hybrid system especially developed for the under floor heating market made from CFC & HCFC free polystyrene available in grades EPS 100, EPS 150, EPS 200, EPS 300 and Lambdatherm.

Board 1: A universal 1200 x 1200mm board with straight grooved slots at either 200 or 300mm centres to suit 16, 20 & 22mm diameter pipes.

Board 2: A 800 x 300mm board with radius grooved return slots at 200mm centres to suit 16, 20 and 22mm diameter pipes.

Board 3: A 600 x 300mm board with a radius grooved return slots at 300mm centres to suit 16, 20 and 22mm diameter pipes.

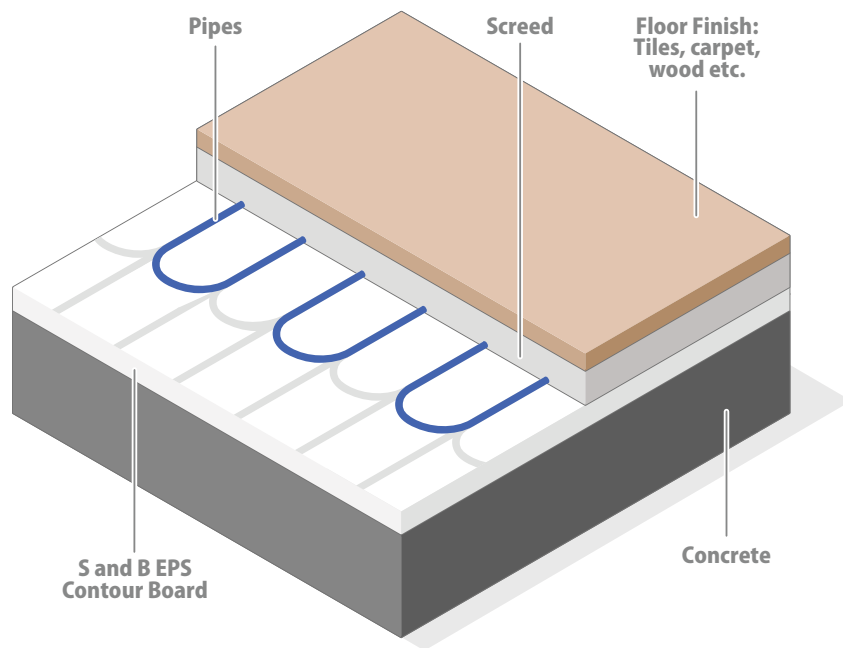
The minimum thickness of S and B EPS Contour board is 30mm and thereafter can be increased in 5–10mm increments.

S and B Contour Boards are compatible with all other S and B EPS Flooring grade products that can be used to make up different floor zones as required.

S and B EPS Contour Boards are light to handle easy to install and can be cut to suit individual floor requirements.















S and B EPS Contour Boards can be supplied with factory bonded aluminium de-fuser plates

S and B EPS Contour Boards are manufactured in accordance to EN 13163 and CE marked as standard.



S and B Underfloor

S and B Identification Table

New Identification / colour coding of products manufactured to BSEN 13163		
EPS 70	2 x brown stripes	
EPS 70 E	2 x brown stripes & 1 red stripe	
EPS 100	1 black stripe	
EPS 100 E	1 black stripe & 1 red stripe	
EPS 120	2 x green stripes	
EPS 120 E	2 x green stripes & 1 red stripe	
EPS 150	1 yellow stripe	
EPS 150 E	1 yellow stripe & 1 red stripe	
EPS 200	2 x black stripes	
EPS 200 E	2 x black stripes & 1 red stripe	
EPS 250	1 violet stripe	
EPS 250 E	1 violet stripe & 1 red stripe	
EPS 300	2 x violet stripes	
EPS 300 E	2 x violet stripes & 1 red stripe	

S and B Underfloor

S and B Specification Data

Property	Conditions	Grades							Lambdatherm	
		EPS300	EPS250	EPS200	EPS150	EPS120	EPS100	EPS70	90	70
Strength										
Compressive strength kPa Min	at 10% compressive strength	300	250	200	150	120	100	70	90	70
Cross breaking strength kPa Min		450	350	250	200	170	150	115	150	115
Safe working load kPa	at 1% nominal compression	120	100	90	70	45	45	21	45	21
Heat										
Thermal conductivity [k] value W/mk Max	10°C mean	0.033	0.033	0.034	0.035	0.036	0.036	0.038	0.030	0.032
Water (tabulated values)										
Vapour diffusion resistance factor μ1		40-100	40-100	40-100	30-70	30-70	30-70	20-40	30-70	20-40
Vapour permeability δ mg [pa.h.m]		0.007 to 0.018	0.007 to 0.018	0.007 to 0.018	0.010 to 0.024	0.010 to 0.024	0.010 to 0.024	0.018 to 0.036	0.010 to 0.024	0.018 to 0.036

To discover more about the benefits of S and B Underfloor Heating Systems, call today on **0191 250 0818**, or go to www.sandbeeps.com.

FIND US



At S and B EPS Ltd we take real pride in finding solutions to problems, so whatever your expanded polystyrene needs, you can call on us to deliver

S and B EPS Limited
Dudley, Cramlington,
Tyne & Wear, UK
NE23 7PY

Email: company@sandbeps.com

Tel: 0191 250 0818
Fax: 0191 250 0548

Or follow us on Facebook: [sandbeps/facebook](https://www.facebook.com/sandbeps/facebook)
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