

### Advantages of Crios board:

- Can accept all screeds
- 50mm printed gridlines for ease of pipe alignment
- 2.4m x 1.2m for speed of laying
- 50mm overhang on two sides allowing ease of taping joint
- Woven membrane prevents clips from pulling
- Bespoke thickness from 20mm - 140mm
- Excellent price performance ratio

S and B EPS Crios system boards are available in the following grades:

| Features   | Grades EPS     |                |                |                |                | Lambdatherm®   |                |
|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|  | EPS70          | EPS100         | EPS150         | EPS200         | EPS250         | 70             | ELITE          |
| <b>Thermal Conductivity</b><br>[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><br>kPa Min (at 10% compressive strength) | 70             | 100            | 150            | 200            | 250            | 70             | 100            |
| <b>Cross Breaking Strength</b><br>kPa Min                            | 115            | 150            | 200            | 250            | 350            | 115            | 150            |
| <b>Safe working load</b> kPa at 1% nominal compression               | 21             | 45             | 70             | 90             | 100            | 21             | 45             |
| <b>Vapour diffusion resistance</b><br>factor $\mu$ 1                 | 20-40          | 30-70          | 30-70          | 40-100         | 40-100         | 20-40          | 30-70          |
| <b>Vapour permeability</b><br>$\delta$ 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 |

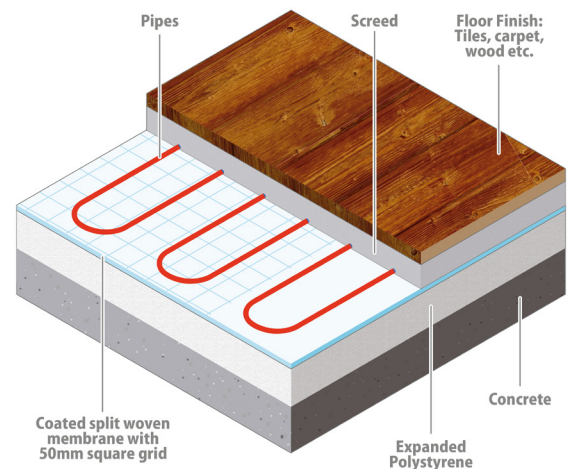
S and B EPS Crios system boards have been specially designed to assist in the laying of underfloor heating systems. It is a combination of an EPS board bonded to a coated split woven membrane that is blue in colour with a 50mm grid pattern to allow straight runs to be simply achieved and as with all other S and B EPS products it is both CFC and HCFC free. 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 140mm with other thicknesses available on request.

| 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 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   |  |

The Euroclass E fire rating applies to the EPS element of these boards only and does not cover the Woven Membrane

### Recycling

EPS is 100% recyclable, A+ green guide rating.



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