

Advantages:

- Quick and easy to install
- Cost effective against other block and beam systems
- Reduced wastage
- BBA certified number 17/5431 product sheet 2
- Can be laid in wet conditions
- Low thermal conductivity
- **A+ green guide rating**

We offer another range to our Warmbeam® system with the top sheet. Eps cut panels ready to lay between the pre-stressed concrete beams, followed by a top sheet and a self-levelling concrete.

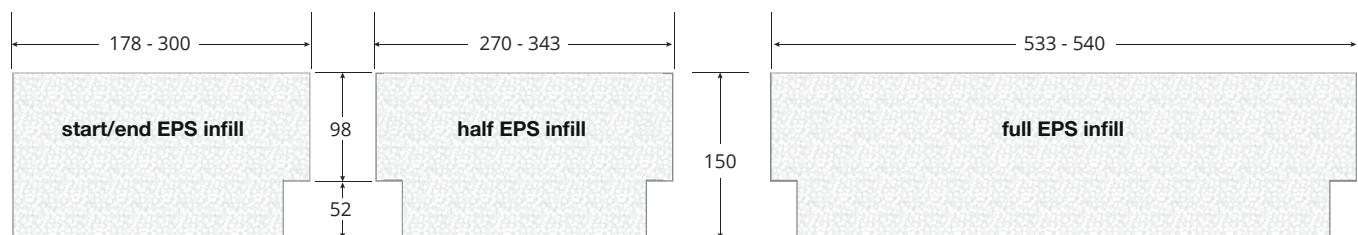
The Warmbeam® Top sheet system panels are quick and easy to install between the beams; standard size panels create less wastage on site.

The Eps will maintain their performance throughout the lifetime of the building, added to this EPS has obtained an A+ green guide rating.

Given that EPS is rot, moisture and draft proof it eliminates the problems associated with site preparation and resistance to contaminants and moisture.

S and B Top sheet system can be installed in conjunction with underfloor heating systems meeting with the demand of more environmentally sound homes whilst reducing heating costs.

Examples of standard dimensions of EPS infill panels:



all dimensions in mm

Recycling

EPS is 100% recyclable and any clean left-over waste we can offer our "Waste collection Scheme", please ask one of our team.



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Characteristic properties of the EPS top sheet and infill panels

Description	Thickness mm	Top width max/min mm	Bottom width max/min mm	Length mm	Compressive strength at 10% deformation kPa	Mechanical resistance according to BS EN 15037-4 : 2010	Declared level of com-pressive creep to BS EN 13163 : 2012	Declared Thermal conductivity W.m-1.K-1	Colour	Moisture diffusion co- efficient (μ) ⁽²⁾
Full panel	150 to 225	533 to 540	485 to 492	1200	70	Type R1 and Class R1 a	-	0.038	White	20 to 40
Half panel		270 to 343	222 to 295					0.031	Grey	
Combined start/end panel		178 to 300	154 to 276					0.036	White	
Make-up panel	98	Up to 440	-		100			0.030	Grey	30 to 70
Top sheet	50 ⁽¹⁾ to 300	1200	2400	120	-	CC(2/1.5/50)30	0.036	White		
				150			0.031	Grey		
				200			0.035	White		
							0.031	Grey		
						CC(2/1.5/50)60	0.034	White	40 to 100	

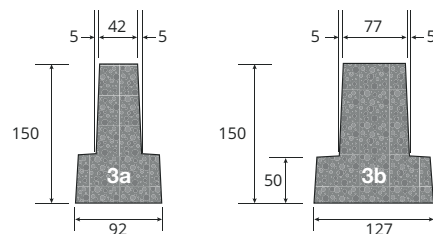
Example floor U values⁽¹⁾ for single beam configurations⁽²⁾ (W·m⁻²·K⁻¹)

see our BBA Certificate for full floor specifications

Beam option	P/A ratio m/m ²	50 mm EPS White 120 top sheet with 150 mm EPS White 70 infill panel	300 mm EPS Grey 120 or 150 top sheet with 150 mm EPS Grey 70 infill panel
150 x 92 mm Refer to Figure 3a	0.4	0.18	0.070
	0.6	0.20	0.072
	0.7	0.20	0.072
	0.9	0.21	0.073
150 x 127 mm Refer to Figure 3b	0.4	0.19	0.071
	0.6	0.21	0.073
	0.7	0.21	0.074
	0.9	0.22	0.074

Examples of precast concrete beams

Other beams are acceptable



all dimensions in mm

Please see our website for a list of recommended screeds.



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