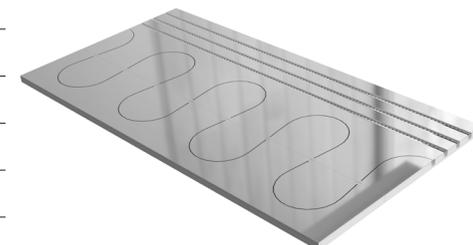


### Technical Information

#### Rapid Response® Overfloor Boards

Variations:	Main, End, Transitional, Plain
Dimensions:	1200 x 600mm
Thickness:	20mm
Material:	EPS
Weight (single board):	Main = 850g, End = 840g, Transitional = 485g, Plain = 600g
EPS Density:	41.67kg/m <sup>3</sup>
EPS Reaction to Fire Class (EN 13501-1):	E
EPS Compressive strength (1% compression):	120kN/m <sup>2</sup> ≈ 12.23tf/m <sup>2</sup> ≈ 12,234kgf/m <sup>2</sup>
EPS Compressive strength (10% compression):	300kN/m <sup>2</sup> ≈ 30.58tf/m <sup>2</sup> ≈ 30,585 kgf/m <sup>2</sup>
EPS Maximum contact temperature:	80°C
EPS Thermal Resistance @ 20mm:	0.606 m <sup>2</sup> K/W
EPS Thermal Conductivity:	0.033 W/mK
Thick aluminium covering:	Main = Yes, End = Yes, Transitional = No, Plain = No
Pre-cut pipe grooves for 16mm pipe:	Mains = 4 x Straight channels @ 150mm centres. Ends = 8 x easy form bends and 3 x transitional channels @ 55mm centres. Transitional = 11 x channels @ 55mm centres. Plain = none.



#### Important Information

The heat output of this underfloor heating system must be limited to a maximum supply water temperature of 45°C and a maximum floor surface temperature of 27°C for temperature sensitive floors. Underfloor heating cannot compensate for large heat losses of an inadequately insulated house. Expected heat outputs at this supply temperature with a design room temperature of 20°C of 131.8W/m<sup>2</sup> with ceramic and stone tile coverings (0.1Tog), 68.6W/m<sup>2</sup> with wooden coverings (1.5Tog) and 58.6W/m<sup>2</sup> with carpet (2Tog).

#### Outputs in line with BS EN 1264:2021