

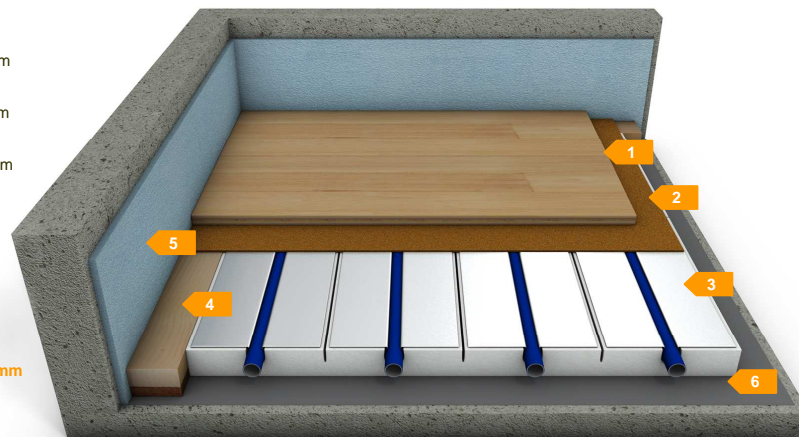


■ Engineered timber board

Direct Installation  
System IDEAL EPS



- 1 T&G Engineered timber board ≥ 20mm
  - 2 Underlay 2mm
  - 3 System element EPS + pipe 30mm
  - 4 Perimeter support batten
  - 5 Perimeter insulation
  - 6 Moisture barrier (if required)
- Construction height 52mm



Technical Data Construction suitable for floors between rooms of equal temperature

Construction height	mm	52	Height includes floor finish	
Weight	kg/m <sup>2</sup>	13	Weight including floor finish	
Thermal resistance R	m <sup>2</sup> K/W	0,86		
Heat exchange coefficient	W/m <sup>2</sup> K	0,97		
Live design load	kN/m <sup>2</sup>	1,5		
Point load (≥ 20cm <sup>2</sup> )	kN	≤1,0		
Impact sound reduction	dB	-	For impact sound improvement Use IDEAL System ECO	
Area of application	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Floors with rooms of equal temperature above &amp; below R<sub>min</sub>=0,75 m<sup>2</sup>K/W</p> </div> <div style="flex: 2;"> <p>This construction is valid for floor constructions located between rooms heated to equal or similar temperature. No further insulation is required to meet Part L requirements. For ground floor installation see construction C20.</p> </div> </div>			
Specific installation requirements	<p>Substrate must be solid, level and flat so that the heating elements can lie flat. Tolerance required as per DIN 18202 table 3, group 4.</p> <p>Due to lightweight nature of construction, IDEAL header elements should be adhered to substrate .</p> <p>For higher design loads implement Fermacell or S.R.T. under timber boards to achieve up to 5,0 kN/m<sup>2</sup>.</p>			