



■ Carpet, linoleum, synthetics

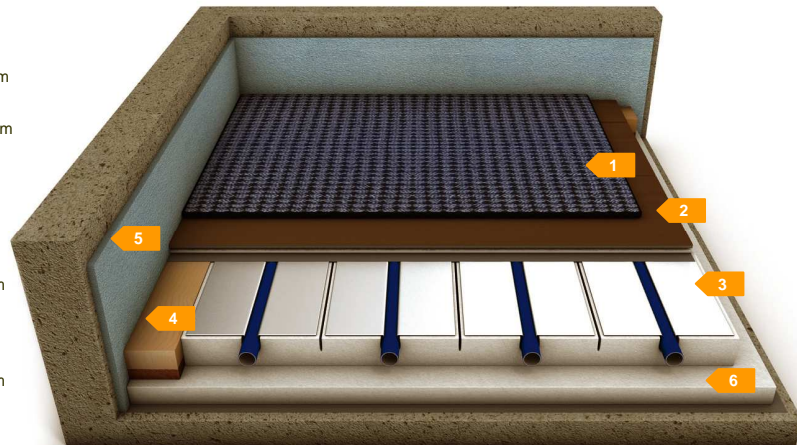
StrongBoard TK

□ System IDEAL EPS



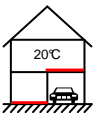
2,0 kN/m<sup>2</sup>

- 1 Carpet
- 2 StrongBoard TK 10mm
- 3 System element EPS + pipe 30mm
- 4 Perimeter support batten
- 5 Perimeter insulation
- 6 Additional insulation (see below) 20mm
- Construction height 67mm



Technical Data

Construction suitable for floors with significant heat loss below

Floor finish	mm	≥ 5	Carpet. Linoleum, other synthetic floor finishes
Construction height	mm	≥ 65	Height including floor finish
Weight	kg/m <sup>2</sup>	~16	Weight including floor finish
Thermal resistance R*	m <sup>2</sup> K/W	1,43	
Heat exchange coefficient U	W/m <sup>2</sup> K	0,63	
Design load	kN/m <sup>2</sup>	≥2,0	
Point load (≥ 20cm <sup>2</sup> )	kN	≥2,0	
Impact sound reduction	dB	-	
Area of application Ground floors or floors Above unheated rooms R <sub>min</sub> =2,00 m <sup>2</sup> K/W 	Suitable for refurbishment applications where current Part L requirements are not applicable.		
Specific installation requirements	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 or 3mm over 1 m.  Due to lightweight nature of construction, IDEAL header elements should be adhered to substrate  Additional insulation should be 20mm EPS 200 kPa, 40mm XPS 500 kPa Insulation of lower compressive strength not suitable.		