



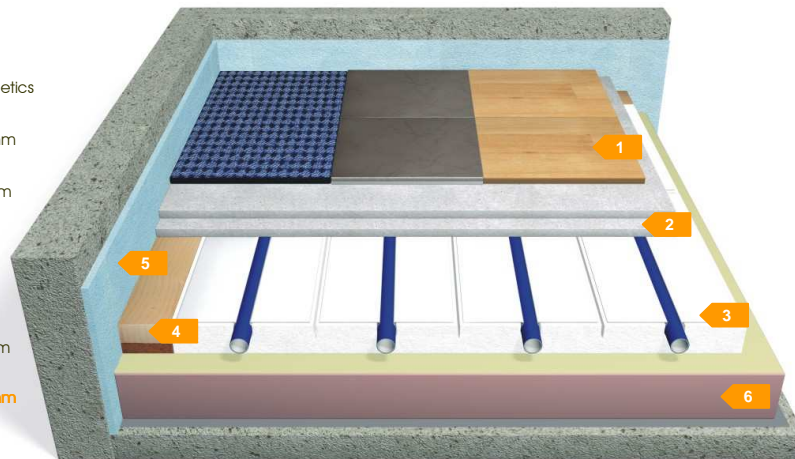
■ Carpet / Tiles / Timber / Laminates / Synthetics

Fermacell 2E11 / Dry Flooring Element

System IDEAL EPS



- 1 Carpet / Tiles / Timber / Laminates / Synthetics
 - 2 Fermacell 2E11 Flooring Element 20mm
 - 3 System element EPS + pipe 30mm
 - 4 Perimeter support batten
 - 5 Perimeter insulation
 - 6 Kingspan Kooltherm K3 = <100mm
- Construction height 100 – 150 mm



Technical Data Construction suitable for floors with significant heat loss below

Construction height	mm	100+	Height without floor finish
Weight	kg/m²	38	Weight without floor finish
Thermal resistance R *	m²K/W	3,379	
Heat exchange coefficient	W/m²K	0,17-0,21	
Live design load	kN/m²	1,5 / 2,0	For higher design loads use 20mm Screed Replacement Tile – Construction C40
Point load (≥ 20cm²)	kN	≤ 1,0	
Impact sound reduction	dB	≥ 14	Valid on concrete floors > 12cm (DIN EN 4109: m² > 276kg/m²)
Area of application Ground floors or floors located above unheated rooms such as garages, basements etc.		* Based on 50mm Kingspan Kooltherm K3 and the additional properties of the JUPITER IDEAL 30mm element and timber floor. The resistance does not include for thermal resistance offered by the ground conditions. For exact insulation requirement and certification please contact Kingspan Techline on 0870 850 8555.	
Specific installation requirements Working in conjunction with 	Construction using up to 100mm Kingspan Kooltherm K3 approved. 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 the equivalent of 3mm over 1m.		