Construction ID – A57

JUPITER

Solid timber on support battens

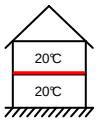
Direct installation

System IDEAL ECO

2,0 kN/m²

1	Solid timber floor boards	≤22mm
2	System element EPS+ pipe	30mm
3	Support batten (30mm)	
4	Perimeter insulation	
5	Moisture barrier (if specified)	
	Construction height	**≤52mm**

Technical Data — **Construction suitable for floors between rooms of equal temperature**

Construction height	mm	≤52	Height including floor finish	
Weight	kg/m²	~23	Weight including floor finish	
Thermal resistance R	m²K/W	0,75	Minimum requirement achieved	
Heat exchange coefficient	W/m²K	1,09		
Live design load	kN/m²	≤2,0		
Point load (≥ 20cm²)	kN	≤2,0		
Impact sound reduction	dB	21		Valid on concrete floors >12cm (DIN EN 4109: m² > 276kg/m²)
Area of application Floors with rooms of equal temperature above & below Rmin=0,75 m²K/W 	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 refer to construction C57.			
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. When using square cut timber (not T&G) it is suggested to apply brown building paper. Possible gaps between boards caused by shrinkage will expose aluminium diffuser plates.			

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