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U-value calculation by BRE U-value Calculator version 2.04b - Printed on 16 Jul 2015 at 09:42

Element type: Floor - Suspended timber floor - Calculation Method: BS EN ISO 6946, BS EN ISO 13370

Bill Goodwin - Floor D

U-value of floor construction:

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Total resistance: Upper limit: 3.834 Lower limit: 3.664 Ratio: 1.046 Average: 3.749 m²K/W U-value of floor construction: $0.267 \text{ W/m}^2\text{K}$

Ground 1	parameters:

Perimeter P:	16.73 m			Wall thickness:	300 mm		
Area A:	29.52 m ²			Ground type:	Clay/silt ($\lambda = 1.5 \text{ W/m} \cdot \text{K}$)		
P/A:	0.567			Rse:	0.04 m ² K/W		
Resistance on s	solum Rg:	0.000 m ² K/W					
Depth of under	floor space	0.300 m					
Floor height ab	ove ground	0.225 m					
U-value of wal	ls above gr	1.50 W/m ² K					
Mean wind spe	ed:	5.00 m/s					
Wind shielding factor:					0.050		
Ventilation openings per metre length:					0.0015 m ² /m		
U-value for gro	ound (Ug)		0.755				
U-value of floc							
Ventilation equivalent U-value (Ux) 0.345							
U-value overal	1	0.215					
U-value (roun	ded)	0.21 W/m	ı²K				

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