

U-value calculation

by BRE U-value Calculator version 2.03

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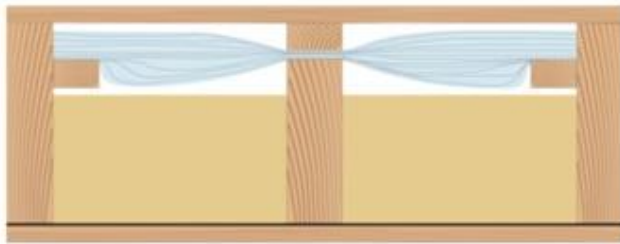
Filename: Klok Plat dak SQ Rc6.uva (File saved: jul 2018 15:52)

Element type: Roof - Flat roof – isolatie tussen de balken

Calculation Method: EN ISO 6946

Plat dak Klok SQ Rc6

Layer	d (mm)	λ layer	λ bridge	Fraction	R layer	R bridge	Description
					0,100		Rsi
1	10	0,130			0,077		Spaanplaat
2							Dampscherm SD>100m
3	120	0,032	0,130	0,0700	3,750	0,923	Knauf Naturoll 032
4	25	R-value	0,130	0,0630	0,500	0,192	Latten Emiss 0,05
5	7	R-value	R-value	0,0120	1,520	0,670	SuperQuilt kern, amengedrukt
6	25	R-value	0,130	0,0630	0,500	0,192	Latten Emiss 0,05
7	10	0,130			0,077		Spaanplaat
					<u>0,040</u>		Rse
	<u>197 mm</u> (totale dakdikte)				<u>6,564</u>		



Totale R waarde: Upper limit: 6,179 Lower limit: 5,787 Ratio: 1,068 Average: 5,983 m²K/W

Gemiddelde Rc waarde: 6 m²K/W

U-value (uncorrected) 0,167

U-value corrections

Air gaps in layer 3 $\Delta U = 0,000$ (Level 0)

Fixings in layer 3 $\Delta U = 0,002$ (8,50 per m², 7,5 mm² cross-section, $\lambda = 17,0$)

Total ΔU 0,002

U-value (corrected) 0,169

U-value (rounded) 0,17 W/m²K

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