

Example Calculation U-Value



	Lambda (W/mK)	Material Thickness (mm)				R-Value (m2K/W)	R-Value (m2K/W)	R-Value (m2K/W)	R-Value (m2K/W)
Transition interior						0,130	0,130	0,130	0,130
Plasterboard					13	0,050	0,050	0,050	0,050
Vertical Air Layer and Installation Level					50	0,570	0,570	0,570	0,570
ISO FOLIE T5*	0,0198	117				5,909			
ISO FOLIE T4,5*	0,0198		99				5,000		
ISO FOLIE T4*	0,0198			81				4,09	
ISO FOLIE T3,5*	0,0198				63				3,181
Vertical Air Layer					20	0,570	0,570	0,570	0,570
Supporting Structure Concrete 2% Steel					150	0,060	0,090	0,090	0,090
Transition exterior						0,040	0,040	0,040	0,040
Total					350/332/314/296	7,329	6,45	5,54	4,631
					U-Value (W / m2K)	0,136	0,1550	0,1805	0,2159

* λ-value 0.0198 W/mK determined with T4 by Testing Institute SGS from 04.09.2015