

U-Value calculation

James Latham - LAMINESSE Klima (PU) door blank

door leaf dimension:

elevation 2135 mm
width 915 mm
frame width 160 mm

part of surface

door blank 100%
lamincore frame 35%
PU core 65%

Calculation:

	layer thickness [m]	lambda value [W/mK]	layer thickness / lambda value m ² K/W
5-layer plywood	0,005	0,13	0,038461538
lamincore	0,011	0,13	0,080769231
lamincore frame (35%)	0,025	0,13	0,192307692
PU insulation core (65%)	0,025	0,025	1
lamincore	0,011	0,13	0,080769231
5-layer plywood	0,005	0,13	0,038461538
		R _{si}	0,04
		R _{se}	0,13
U-value			0,89 W/m²K

