

User Details

Element type: New (Untitled) Wall
Standard u-value: BS EN ISO 6946

Construction Details

Layer Index	Material Name	Thickness (mm)	Conductivity (W/mK)	Fraction	Resistance (m²K/W)
1	Mild steel (including galvanised steel)	2.00	50.000	1.00	0.000
2	Cavity (unventilated)	100.00	0.000	0.88	0.180
+	Timber - Softwood	N/A	0.130	0.13	0.769
3	Mineral wool batt	100.00	0.038	0.88	2.632
+	Timber - Softwood	N/A	0.130	0.13	0.769
4	Timber - Plywood	18.00	0.130	1.00	0.138
5	EPS board	50.00	0.040	1.00	1.250
6	Plasterboard	13.00	0.210	1.00	0.062
Total Thickness		283.00			
Upper Resistance					4.132
Lower Resistance					3.839

Interim U-value

Interim U-value : 0.251

U-value Fixing Corrections

Total Fastening Correction : 0.0000

U-value Air Gaps Corrections

Total Airgap Correction : 0.0000

U-value

U-value (Corrected) : 0.251 W/m²K
U-value (Rounded) : 0.25 W/m²K