

**Element Type :** Structural Insulated Panel wall

**Standard U-value :** BS EN ISO 6946

**Construction Details**

Layer Index	Thickness (mm)	Material Name	Conductivity (W/mK)	Fraction	Resistance (m <sup>2</sup> K/W)
1	103.00	Brickwork (outer leaf)	0.770	1.00	0.134
2	50.00	Cavity (unventilated)	0.000	1.00	0.180
3	15.00	Oriented Strand Board (OSB)	0.130	1.00	0.115
4	112.00	PU foam core	0.023	0.92	4.870
+	-	Timber - Softwood	0.130	0.08	0.862
5	15.00	Oriented Strand Board (OSB)	0.130	1.00	0.115
6	25.00	Cavity (unventilated)	0.000	0.88	0.180
+	-	Timber - Softwood	0.130	0.12	0.192
7	13.00	Plasterboard	0.210	1.00	0.062

**Total Thickness :** 333.00

**Upper Resistance :** 4.954

**Lower Resistance :** 4.507

**Interim U-value**

**Interim U-value :** 0.211

**U-value Fixings Corrections**

**Total Fastening Correction :** 0.0000

**U-value Air Gaps Corrections**

**Total Airgap Correction :** 0.0000

**U-value**

**U-value (Corrected) :** 0.211 W/m<sup>2</sup> K

**U-value (Rounded) :** 0.21 W/m<sup>2</sup> K