

## U value calculations

### Savolit 15mm

	material thickness (mm)	Lamda value V (W/m.K)	R value (m2.K/W)
RSO			0.06
Thermalime Render	10	0.137	0.07
Savolit	15	0.066	0.23
Rockwool	25	0.035	0.71
Brick infill	100	0.7	0.14
Plasterboard	13	0.08	0.16
RSI			0.12

**Total R value** 1.49

**U value (1/R)** 0.671

### Savolit 25mm

	material thickness (mm)	Lamda value V (W/m.K)	R value (m2.K/W)
RSO			0.06
Thermalime Render	10	0.137	0.07
Savolit	25	0.066	0.38
Rockwool	25	0.035	0.71
Brick infill	100	0.7	0.14
Plasterboard	13	0.08	0.16
RSI			0.12

**Total R value** 1.64

**U value (1/R)** 0.610

### Lath

	material thickness (mm)	Lamda value V (W/m.K)	R value (m2.K/W)
RSO			0.06
Thermalime Render	15	0.137	0.11
Lath	7	0.12	0.06
Rockwool	25	0.035	0.71
Brick infill	100	0.7	0.145
Plasterboard	13	0.08	0.16
RSI			0.12

**total R value** 1.365

**U Value (1/R)** 0.733

source <https://www.ths-concepts.co.uk/how-to-calculatr-u-values/>