

Typical U-Values



Table 1

U-Value calculations to EN ISO:6946 for UK
XT/UF Insulation for Ground Supported Slab

Build-up:	- 65mm Screed - Separating layer polythene sheet - Insulation with perimeter strips - DPM 1200 gauge polythene or radon barrier - Concrete Slab
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	Perimeter/Area Ratio									
	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	Target U-Value
Thickness (mm)	25	40	40	50	50	55	60	60	60	0.25
Thickness (mm)	30	50	60	60	70	70	70	70	70	0.22
Thickness (mm)	40	60	60	70	75	75	80	80	80	0.20
Thickness (mm)	70	90	100	110	110	110	120	120	120	0.15

Table 2

XT/UF IRL Insulation for Ground Supported Slab

	Perimeter/Area Ratio									
	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	Target U-Value
Thickness (mm)	30	45	50	55	60	60	60	65	65	0.25
Thickness (mm)	40	55	60	65	70	70	75	75	75	0.22
Thickness (mm)	50	65	70	75	80	80	90	90	90	0.20
Thickness (mm)	80	100	110	110	120	120	120	125	125	0.15