

Typical U-Values



Table 3

U-Value calculations to EN ISO:6946 for UK

XT/UF Beam & Block Suspended Floor

- Build-up:**
- 65mm Screed
 - Separating layer polythene sheet
 - Insulation with perimeter strips
 - DPM 1200 gauge polythene or radon barrier
 - beam and block suspended floor

Thickness (mm)	Perimeter/Area Ratio					
	0.50	0.60	0.70	0.80	0.90	
	50	0.27	0.28	0.28	0.29	0.29
	60	0.24	0.25	0.25	0.25	0.26
	75	0.21	0.21	0.21	0.22	0.22
	80	0.20	0.20	0.20	0.21	0.21
	100	0.17	0.17	0.17	0.17	0.18
	120	0.14	0.15	0.15	0.15	0.15

Table 4

XT/UF IRL Hollow Core Floor

- Suspended Hollow Core**
- 65mm Screed
 - Separating layer polythene sheet
 - Insulation with perimeter strips
 - DPM 1200 gauge polythene or radon barrier
 - 150mm Suspended hollow core

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