

U Value tables

EXAMPLE No.	INTERNAL FINISH	INTERNAL WALL	CAVITY	EXTERNAL FINISH	INITIAL WALL THICKNESS	WITHOUT GEBRIK	GEBRIK 60MM	GEBRIK 70MM	GEBRIK 80MM	GEBRIK 90MM	GEBRIK 100MM	GEBRIK 110MM	GEBRIK 120MM
MASONRY - REFURBISHMENT													
1	13mm Lightweight plaster (0,36 W/mK)	100mm Med Dens. Blocks (0,51 W/mK)	50mm Clear & 40mm Insulation Class 030	102,5mm Brick (0,84 W/mK)	305.5mm	0.50 W/m ² K	0.29 W/m ² K	0.27 W/m ² K	0.25 W/m ² K	0.23 W/m ² K	0.21 W/m ² K	0.20 W/m ² K	0.18 W/m ² K
2	13mm Lightweight plaster (0,36 W/mK)	100mm Med Dens. Blocks (0,51 W/mK)	50mm Clear & 50mm Insulation Class 030	102,5mm Brick (0,84 W/mK) & 20mm Render (0,87 W/mK)	335.5mm	0.42 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.21 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K
3	13mm Lightweight plaster (0,36 W/mK)	140mm Aircrete (0,15 W/mK)	50mm Clear	102.5mm Brick (0.84 W/mK)	305.5mm	0.70 W/m ² K	0.35 W/m ² K	0.31 W/m ² K	0.28 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.21 W/m ² K
4	13mm Lightweight plaster (0,36 W/mK)	100mm Aircrete (0,15 W/mK)	50mm Clear & 25mm Jablite (0,037 W/mK)	102.5mm Brick (0.84 W/mK)	290.5mm	0.54 W/m ² K	0.31 W/m ² K	0.28 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.20 W/m ² K	0.19 W/m ² K
5	13mm Lightweight plaster (0,36 W/mK)	100mm Aircrete (0,15 W/mK)	50mm Blown Insulation Class 040	102.5mm Brick (0.84 W/mK)	265.5mm	0.45 W/m ² K	0.27 W/m ² K	0.25 W/m ² K	0.23 W/m ² K	0.21 W/m ² K	0.20 W/m ² K	0.19 W/m ² K	0.18 W/m ² K
MASONRY - NEW BUILD													
6	12,5mm Dry-lining (0,21 W/mK)	190mm Aircrete Thin-Joint (0,14 W/mK)			202.5mm	0.63 W/m ² K	0.33 W/m ² K	0.30 W/m ² K	0.27 W/m ² K	0.25 W/m ² K	0.23 W/m ² K	0.21 W/m ² K	0.20 W/m ² K
7	13mm Lightw. Plaster (0,36 W/mK)	215mm Aircrete Thin-Joint (0,14 W/mK)			228mm	0.58 W/m ² K	0.32 W/m ² K	0.29 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.21 W/m ² K	0.19 W/m ² K
8	13mm Lightw. Plaster (0,36 W/mK)	250mm Aircrete Thin-Joint (0,14 W/mK)			263mm	0.50 W/m ² K	0.29 W/m ² K	0.27 W/m ² K	0.25 W/m ² K	0.23 W/m ² K	0.21 W/m ² K	0.20 W/m ² K	0.19 W/m ² K
9	Paint	150mm Precast Concrete Panels (1,0 W/mK)			150mm	3.13 W/m ² K	0.58 W/m ² K	0.48 W/m ² K	0.42 W/m ² K	0.37 W/m ² K	0.33 W/m ² K	0.29 W/m ² K	0.27 W/m ² K
FRAMED BUILDINGS - NEW BUILD													
10	2x12.5mm Fireline Board & Vapour Membrane	100mm Steel Frame incl 100mm Rockwool & 15mm Ext Grade CP Board/Plywood		15mm Bitroc Board & Tyvek Membrane	155mm	0.35 W/m ² K	0.23 W/m ² K	0.22 W/m ² K	0.20 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K	0.16 W/m ² K
11	2x12.5mm Fireline Board & Vapour Membrane	150mm Steel Frame incl 100mm Rockwool & 15mm Ext Grade CP Board/Plywood		15mm Bitroc Board & Tyvek Membrane	205mm	0.33 W/m ² K	0.22 W/m ² K	0.21 W/m ² K	0.20 W/m ² K	0.18 W/m ² K	0.17 W/m ² K	0.16 W/m ² K	0.15 W/m ² K
12	15mm Fire Res. Plasterb. on 18mm battens	86mm Panablok		Tyvek Membrane	119mm	0.41 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.21 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K
13	15mm Fire Res. Plasterboard	100mm Steel Frame incl 100mm Rockwool & 12mm Ext Grade CP Board/Plywood	15mm Cavity using 45x15mm vertical battens	15mm Ext Board	157mm	0.32 W/m ² K	0.22 W/m ² K	0.20 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K	0.16 W/m ² K	0.15 W/m ² K
14	12.5mm GyprocDuplex (0,36 W/mK)	89x38mm Timber Frame incl 90mm Rockwool & 9mm Ext Board & Membrane	15mm Cavity using 45x15mm vertical battens	15mm Ext Board	140.5mm	0.42 W/m ² K	0.26 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.20 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K
15	12.5mm Gyproc Duplex (0,36 W/mK)	140x38mm Timber Frame incl 90mm Rockwool & 9mm Ext Board & Membrane	15mm Cavity using 45x15mm vertical battens	15mm Ext Board	191.5mm	0.37 W/m ² K	0.24 W/m ² K	0.22 W/m ² K	0.21 W/m ² K	0.19 W/m ² K	0.18 W/m ² K	0.17 W/m ² K	0.16 W/m ² K