

TYPICAL U-VALUES

USING OMNIFIT® SLAB 35 BETWEEN JOISTS

Floor joist thickness (mm)	U-value (W/m ² K)							
	Ratio of perimeter to area (p/a) (m ²)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
250 (100+150mm)	0.10	0.12	0.13	0.13	0.13	0.14	0.14	0.14
200 (2x100mm)	0.11	0.14	0.15	0.15	0.16	0.16	0.16	0.17
150	0.13	0.16	0.18	0.19	0.20	0.20	0.20	0.21
100	0.15	0.20	0.23	0.24	0.26	0.26	0.27	0.28

Note: The U-values have been calculated assuming that the timber joists are 38mm wide at 600mm centres. Floor covering assumed 19mm chipboard.

USING ROCKSILK® FLEXIBLE SLAB BETWEEN JOISTS

Floor joist thickness (mm)	U-value (W/m ² K)							
	Ratio of perimeter to area (p/a) (m ²)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
250 (2x100+50mm)	0.10	0.12	0.13	0.14	0.15	0.14	0.14	0.14
200 (2x100mm)	0.12	0.14	0.15	0.16	0.16	0.17	0.17	0.17
150 (100+50mm)	0.13	0.17	0.18	0.20	0.20	0.21	0.21	0.21
100	0.16	0.21	0.23	0.25	0.26	0.27	0.28	0.28

Note: The U-values have been calculated assuming that the timber joists are 38mm wide at 600mm centres. Floor covering assumed 19mm chipboard.

USING OMNIFIT® ROLL 40 BETWEEN JOISTS

Floor joist thickness (mm)	U-value (W/m ² K)							
	Ratio of perimeter to area (p/a) (m ²)							
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
250 (100+150mm)	0.11	0.13	0.14	0.14	0.15	0.15	0.15	0.15
200	0.12	0.15	0.16	0.17	0.17	0.18	0.18	0.18
150	0.14	0.17	0.19	0.20	0.21	0.22	0.22	0.23
100	0.16	0.21	0.24	0.26	0.27	0.28	0.29	0.30

Note: The U-values have been calculated assuming that the timber joists are 38mm wide at 600mm centres. Floor covering assumed 19mm chipboard.

For any U-value calculations for alternative construction build-ups, please contact our Technical Support Team on 01744 766 666 or visit our online tool at knaufinsulation.co.uk/uvalue-calculator

For written U-value calculations, please email details of your full construction build-up to technical.uk@knaufinsulation.com and we will respond accordingly to meet your requirements.