



Summary of certified psi-values for use in SAP/DEAP/Y-factor calculations. All calculations carried out in accordance with IS EN ISO 10211:2007 and BR497:2016. For more detailed information on application and relevant ranges of applicable U-values, see footnotes at the end of this table.



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Target U-value: 0.19W/m²K

Detail number	Description	Psi value	fRsi value	Comment
1.01	Strip foundation to external wall		0.084	0.92
1.01A	Raft foundation to external wall		0.160	0.87
1.02	Party wall in plan		0.049	0.94 Assign this psi value per dwelling in a DEAP/SAP/y-factor calculation
1.02A	Party wall in plan with SS fire break		0.078	0.93 Assign this psi value per dwelling in a DEAP/SAP/y-factor calculation
1.03	Internal partition in plan		0.035	0.94
1.04A	Hollowcore intermediate floor within a dwelling		0.071	0.87
1.04B	Timber intermediate floor within a dwelling		0.040	0.9
1.04C	Thermofloor intermediate floor within a dwelling		0.055	0.83
1.05	External wall corner		0.051	0.91
1.06	Roof eaves standard roof on thermowall		0.034	0.91
1.08	Window head		0.002	0.95
1.09	Window jamb		0.002	0.95
1.1	Window sill (concrete)		0.186	0.82
1.11	Thermorooft wall eaves		0.005	0.94
1.12	Thermorooft on cavity wall eaves		0.092	0.94
1.12A	Thermorooft on cavity wall with Quinnlite B7 cavity closer		0.029	0.94
1.13	Roof ridge		0.017	0.94
1.14	Main wall to extension roof		0.095	0.95
1.15	Main wall to lean-to roof		0.124	0.92
1.16	Roof verge		0.030	0.91
1.17	Main wall to flat roof		0.094	0.94 Assign this psi value per dwelling in a DEAP/SAP/y-factor calculation
1.18	Party wall roof head		0.026	0.96 calculation
1.19	Door threshold		0.133	0.84
1.2	Door head		-0.001	0.95
1.21	Door jamb		-0.001	0.95

Notes: The target U-value for the wall is 0.19W/m²K. The target values for the roof and floor are 0.15W/m²K and 0.14W/m²K respectively. The psi-values are applicable for walls with U-values in the range of 0.15 - 0.21W/m²K. Where two elements have one U-value above its target while another is below its target U-value, the aggregate percentage change from the respective target U-values in the table should not exceed 20% for the psi-value to be valid. For example, if the wall U-value were 0.21W/m²K, which is 10% above the target value, the roof could not be below 0.135W/m²K or the floor below 0.126W/m²K in order for the psi-values to remain valid. Otherwise the aggregate difference about the target values would be greater than 20%. Where this is the case, the advice of the certificate holder should be sought, with project specific psi-values to be calculated.