

Warmshell Internal U values

Cost and U value calculations for different thicknesses of Warmshell board compared with standard lime plaster and Lime Green Ultra insulating plaster

warm shell	35mm Std lime plaster	35mm Lime Green Ultra + 5mm skim	40mm Warmshell Woodfibre + Solo	60mm Warmshell Woodfibre + Solo	80mm Warmshell Woodfibre + Solo	100mm Warmshell Woodfibre + Solo
	U Value W / m ² K					
215mm brick wall	1.67	1.13	0.68	0.52	0.39	0.32
330mm brick wall	1.34	0.97	0.61	0.48	0.37	0.31
500mm Limestone wall	1.45	1.02	0.63	0.49	0.37	0.31

The above desktop calculations compare with [insitu monitoring undertaken by the SPAB](#), and research by the BRE

	Risk of condensation in moderate to severe areas of wind driven rain. Consider additional measures.
	Higher risk of condensation in severe to very severe areas of wind driven rain. WUFI calculation recommended. Consider additional measures.

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