

SOLID WALLS: Blockwork with 10mm mortar joints



		Block grade				Solar (2.9 N/mm ²)			Standard (3.6 N/mm ²)			Hi-Strength (7.3 or 10.4 ^e N/mm ²)			
		Block format				Normal/Plus*		140mm Plus	Normal/Plus*		140mm Plus				
		Block thickness (mm)				200	215	265	300	200	255	255	215	275	275
		U-VALUE (W/m²K)													
External finish	Internal finish														
16mm render	12.5mm plasterboard on dabs	0.58	0.54	0.46	0.42	0.69	0.58	0.60	0.75	0.63	0.65				
	22mm ThermaLine BASIC	0.49	0.46	0.40	0.37	0.57	0.49	0.50	0.62	0.53	0.54				
	40mm ThermaLine PLUS	0.36	0.35	0.31	0.29	0.41	0.36	0.37	0.43	0.38	0.39				
	45mm ThermaLine PLUS	0.33	0.32	0.29	0.27	0.37	0.34	0.34	0.39	0.36	0.36				
	50mm ThermaLine SUPER	0.28	0.27	0.25	0.24	0.31	0.28	0.29	0.33	0.30	0.30				
	65mm ThermaLine SUPER	0.23	0.23	0.21	0.20	0.25	0.23	0.24	0.26	0.24	0.25				
Tiles on battens	Lwt plaster	0.58	0.55	0.46	0.42	0.69	0.58	0.60	0.75	0.63	0.65				
	12.5mm plasterboard on dabs	0.54	0.52	0.44	0.40	0.65	0.54	0.56	0.70	0.59	0.61				
	40mm ThermaLine BASIC	0.38	0.37	0.33	0.30	0.43	0.38	0.39	0.46	0.41	0.42				
	40mm ThermaLine PLUS	0.35	0.33	0.30	0.28	0.39	0.35	0.35	0.44	0.37	0.37				
	50mm ThermaLine SUPER	0.28	0.27	0.25	0.23	0.31	0.28	0.28	0.32	0.29	0.29				
Timber on battens	Lwt plaster	0.51	0.49	0.42	0.38	0.60	0.51	0.51	0.65	0.56	0.56				
	12.5mm plasterboard on dabs	0.49	0.46	0.40	0.37	0.57	0.49	0.50	0.61	0.53	0.54				
	40mm ThermaLine BASIC	0.35	0.34	0.30	0.28	0.40	0.36	0.36	0.42	0.38	0.38				
	40mm ThermaLine PLUS	0.32	0.31	0.28	0.26	0.36	0.33	0.33	0.38	0.35	0.35				
	50mm ThermaLine SUPER	0.26	0.26	0.24	0.22	0.29	0.27	0.27	0.30	0.28	0.28				
Brick Slips on 25mm insulation system	Lwt plaster	0.39	0.37	0.33	0.31	0.44	0.39	0.40	0.47	0.42	0.43				
	12.5mm plasterboard on dabs	0.38	0.36	0.32	0.30	0.43	0.38	0.38	0.45	0.40	0.40				
Brick Slips on 50mm insulation system	Lwt plaster	0.29	0.28	0.26	0.24	0.32	0.29	0.30	0.34	0.31	0.31				
	12.5mm plasterboard on dabs	0.28	0.27	0.25	0.24	0.31	0.28	0.28	0.32	0.30	0.30				

Block format Normal: 440mm long x 215mm high

Plus: 610mm long x 215mm high

JumboPlus: 610mm long x 270mm high

140mm Plus: 610mm long x 140mm high

Block thicknesses noted above are typical; for available sizes please ring Sales: 01732 886444

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