

CAVITY WALLS - Full fill cavity

Note: A fully filled cavity wall construction is not suitable for all exposure conditions.

Outer leaf: Brickwork
(215 x 65 x 102.5mm bricks with 10mm joints)



Block grade
Block format
Block thickness

Inner leaf: Blockwork (10mm joints)											
Solar (2.9 N/mm ²)				Standard (3.6 N/mm ²)			Hi-Strength (7.3 or 10.4 ^e N/mm ²)				
Jumbo Plus	Normal			Jumbo Plus	Normal		Jumbo Plus	Normal			
100mm	100mm	115mm	125mm	100mm	100mm	115mm	100mm	100mm	115mm	140mm	
U-VALUE (W/m ² K)											
	0.32	0.33	0.31	0.31	0.34	0.34	0.33	0.35	0.36	0.35	0.33
	0.32	0.32	0.31	0.30	0.34	0.34	0.33	0.35	0.35	0.34	0.33
	0.31	0.31	0.30	0.29	0.32	0.33	0.32	0.34	0.34	0.33	0.32
	0.32	0.33	0.31	0.31	0.34	0.34	0.33	0.35	0.36	0.35	0.33
	0.32	0.32	0.31	0.30	0.34	0.34	0.33	0.35	0.35	0.34	0.33
	0.31	0.31	0.30	0.29	0.32	0.33	0.32	0.34	0.34	0.33	0.32
	0.29	0.29	0.29	0.28	0.31	0.31	0.30	0.32	0.32	0.31	0.30
	0.29	0.29	0.28	0.28	0.31	0.31	0.30	0.32	0.32	0.31	0.30
	0.27	0.28	0.27	0.27	0.30	0.30	0.29	0.30	0.31	0.30	0.29
	0.31	0.31	0.30	0.29	0.33	0.33	0.32	0.34	0.34	0.33	0.32
	0.30	0.31	0.30	0.28	0.32	0.32	0.31	0.33	0.33	0.33	0.31
	0.29	0.30	0.29	0.28	0.31	0.31	0.30	0.32	0.32	0.32	0.30
	0.30	0.30	0.29	0.28	0.31	0.31	0.31	0.32	0.32	0.32	0.31
	0.29	0.29	0.28	0.27	0.31	0.31	0.30	0.32	0.32	0.31	0.30
	0.28	0.28	0.28	0.27	0.30	0.30	0.29	0.31	0.31	0.30	0.29
	0.26	0.27	0.26	0.25	0.28	0.28	0.27	0.29	0.29	0.28	0.27
	0.26	0.26	0.25	0.25	0.27	0.27	0.27	0.28	0.28	0.28	0.27
	0.25	0.25	0.25	0.24	0.27	0.27	0.26	0.27	0.27	0.27	0.26

Cavity insulant	Internal finish
65mm Dritherm32 (0.032)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*
75mm Dritherm / Rockwool (0.037)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*
75mm Isowool Hi-Cav (0.032)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*
80mm Rockwool (0.037)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*
85mm Dritherm (0.037)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*
100mm Dritherm / Rockwool (0.037)	Dense plaster
	Lwt plaster
	12.5mm plasterboard on dabs*

* minimum 10mm dabs air-space assumed; U-value will improve as air-space increases to 25mm maximum (BS 8212:1995 clause 3.2.2)

Block format: Normal: 440mm long x 215mm high
Plus: 610mm long x 215mm high
JumboPlus: 610mm long x 270mm high

Block thickness: Those noted above are typical; for available sizes please ring Sales: 08705 143820 or 01732 886444

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TSD/67-3
BRICK / FULL fill cavity