

**NEW
PRODUCT**



CERTIFIED FULL FILL CAVITY WALL INSULATION

UP TO 10MM RESIDUAL CAVITY

**EASE OF INSTALLATION WHILST MAXIMISING
THE THERMAL PERFORMANCE OF THE WALL**



Low Emissivity
Composite Foil
Facing



Moisture
Resistant



Easy Cut & Fit



Profiled Tongue & Groove Edges
aid Installation and Ensure
Continuity of Insulation Across
the Joint



Reduced Cavity Width and
Build Cost



Extremely Low U-Values



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MANNOK

U-Values (W/m²K) - Internal Finish, Plasterboard on Dabs

Aircrete Thermal Blocks

Innerleaf	Dense block 1.13w/mk	Others 0.45w/mk	Others 0.30w/mk	Aircrete Seven 0.19w/mk	Aircrete Standard 0.17w/mk	Aircrete Super 0.12w/mk
Thickness	Uvalue w/m²k					
90	0.20	0.19	0.19	0.18	0.18	0.18
115	0.16	0.16	0.16	0.15	0.15	0.15
140	0.14	0.13	0.13	0.13	0.13	0.13

U-Values (W/m²K) - Internal Finish, 13mm Wet Plaster

Aircrete Thermal Blocks

Innerleaf	Dense block 1.13w/mk	Others 0.45w/mk	Others 0.30w/mk	Aircrete Seven 0.19w/mk	Aircrete Standard 0.17w/mk	Aircrete Super 0.12w/mk
Thickness	Uvalue w/m²k					
90	0.20	0.2	0.19	0.19	0.19	0.18
115	0.17	0.16	0.16	0.16	0.15	0.15
140	0.14	0.14	0.14	0.13	0.13	0.13

U-value in the two tables above based on 103mm brick outer leaf; Mannok IsoCavity insulation, 100mm concrete block (conductivity as shown); internal finish as notes.

Brick and block leaves with 10mm nominal mortar joints.

Calculations performed to BS EN ISO 6946, taking account of repeating thermal bridges.

Physical Properties

	Standard	Mannok IsoCavity
Compressive Strength	EN 826	≥140kPa
Dimensional Stability	EN 1604	DS (TH)4, DS (-20,-)2
Water Vapour Resistance	EN 12086 : Method B	> 150 MNs/g
Thermal Conductivity	EN 12667	0.022 W/mk
Reaction to Fire	EN 13501-1:2018	Class E