TICHTON PHI. THE THOUSE



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Psi Value (Ψ) Calculations & Report

CERTIFICATE REF: HTP-125F-0.033-0.11

External wall construction including Hi-therm Lintel:

CAVITY WIDTH CAVITY INSULATION TYPE

125mm **Pumped Bead**

CAVITY INSULATION FILL BLOCK TYPE

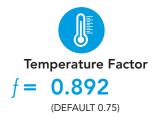
Full Aircrete Block

Psi	Val	lue	(ψ)
0	.0	66	5

(W/mK)

Material Thermal Conductivities (W/mK)

Material	Thickness (mm)	Conductivity (W/mK)
External Brick	100	0.770
Pumped Bead	125mm	0.033
Aircrete Block	100	0.11
Plaster Dabs & Air space	10	0.066
Plaster Board	12.5	0.190





This report was carried out using Physibel Trisco thermal analysis software and the modeling follows the conventions set out for calculating linear thermal transmittance and temperature factors in accordance with BR497.

