



Ryder Close, Cadley Hill Industrial Estate, Swadlincote, South Derbyshire, DE11 9EU, T: 01283 200 150 | F: 01283 223 352

## Psi Value (Y) Calculations & Report

CERTIFICATE REF: HTP-100F-0.022-0.28

## External wall construction including Hi-therm Lintel:

CAVITY WIDTH CAVITY INSULATION TYPE
100mm Rigid Insulation Board

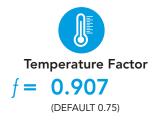
CAVITY INSULATION FILL BLOCK TYPE
Full Ultra Lightweight

Psi Value (ψ)
0.059

(W/mK)

## Material Thermal Conductivities (W/mK)

Material	Thickness (mm)	Conductivity (W/mK)
External Brick	100	0.770
Rigid Insulation Board	100mm	0.022
Ultra Lightweight	100	0.028
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.

