Hi-therm+

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

Psi Value (Ψ) Calculations & Report

CERTIFICATE REF: HTP-125P-0.022-0.45

External wall construction including Hi-therm Lintel:

CAVITY WIDTH 125mm

CICLED & HI. HOLDY

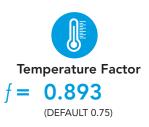
CAVITY INSULATION TYPE Rigid Insulation Board

CAVITY INSULATION FILL Partial BLOCK TYPE Medium Dense Block

Material Thermal Conductivities (W/mK)

Material	Thickness (mm)	Conductivity (W/mK)
External Brick	100	0.770
Rigid Insulation Board	75mm	0.022
Medium Dense Block	100	0.45
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.



