



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-150F-0.033-1.33

External wall construction including Hi-therm Lintel:

CAVITY WIDTH CAVITY INSULATION TYPE

150mm Pumped Bead

CAVITY INSULATION FILL BLOCK TYPE

Full Dene Block

Material Thermal Conductivities (W/mK)

(W/mK)	
NE N	

Psi Value (ψ)

0.062

 Material
 Thickness (mm)
 Conductivity (W/mK)

 External Brick
 100
 0.770

 Pumped Bead
 150mm
 0.033

 Dense Block
 100
 1.33

10

12.5

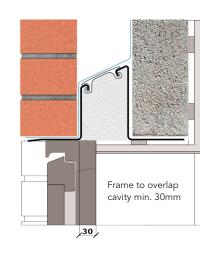
Temperature Factor f = 0.891(DEFAULT 0.75)



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.

Plaster Dabs & Air space

Plaster Board



0.066

0.190

