Hi-therm+

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Psi Value (Ψ) Calculations & Report

CERTIFICATE REF: HTP-125F-0.033-0.24

External wall construction including Hi-therm Lintel:

CAVITY WIDTH 125mm

CTEINY HI HOINY

CAVITY INSULATION TYPE Pumped Bead

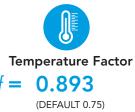
CAVITY INSULATION FILL Full BLOCK TYPE Ultra Lightweight

Material Thermal Conductivities (W/mK)

| Material | Thickness (mm) | Conductivity (W/mK) |
|--------------------------|----------------|---------------------|
| External Brick | 100 | 0.770 |
| Pumped Bead | 125mm | 0.033 |
| Ultra Lightweight | 100 | 0.24 |
| Plaster Dabs & Air space | 10 | 0.066 |
| Plaster Board | 12.5 | 0.190 |



Psi Value (ψ)





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.

