



Psi Value (Ψ) Calculations & Report

CERTIFICATE REF:
HTP-150F-0.22-0.19

External wall construction including Hi-therm Lintel:

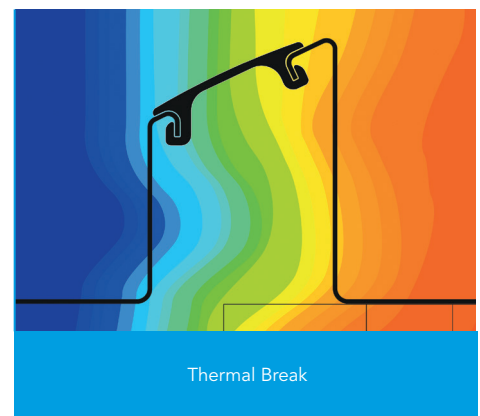
| | |
|---------------------------------------|---|
| CAVITY WIDTH 150mm | CAVITY INSULATION TYPE Rigid Insulation Board |
| CAVITY INSULATION FILL Full | BLOCK TYPE Aircrete Block |

Psi Value (ψ)
0.069
(W/mK)

Material Thermal Conductivities (W/mK)

| Material | Thickness (mm) | Conductivity (W/mK) |
|--------------------------|----------------|---------------------|
| External Brick | 100 | 0.770 |
| Rigid Insulation Board | 150mm | 0.022 |
| Aircrete Block | 100 | 0.19 |
| 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.



Temperature Factor
f = 0.891
(DEFAULT 0.75)

U Value
0.126
(W/m²K)

