Cherry Highermy



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## Psi Value (Y) Calculations & Report

CERTIFICATE REF: HTP-100p-0.022-0.15

## External wall construction including Hi-therm Lintel:

CAVITY WIDTH CAVITY INSULATION TYPE
100mm Rigid Insulation Board

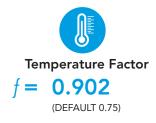
CAVITY INSULATION FILL BLOCK TYPE
Partial Aircrete Block

Psi Value (ψ)
0.063

(W/mK)

## Material Thermal Conductivities (W/mK)

| Material                 | Thickness (mm) | Conductivity (W/mK) |
|--------------------------|----------------|---------------------|
| External Brick           | 100            | 0.770               |
| Rigid Insulation Board   | 50mm           | 0.022               |
| Aircrete Block           | 100            | 0.15                |
| 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.

