

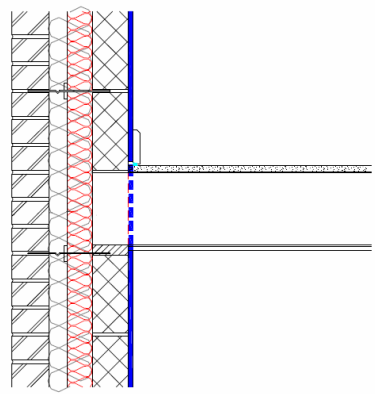
Linear Thermal Transmittance (Ψ) and Temperature Factor (f)

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|------------------------|-----------------------------|----------------|--------------------------------|
| Certificate No: | C4TM – 000093 Rev. 1 | Issued: | Wednesday 31 March 2010 |
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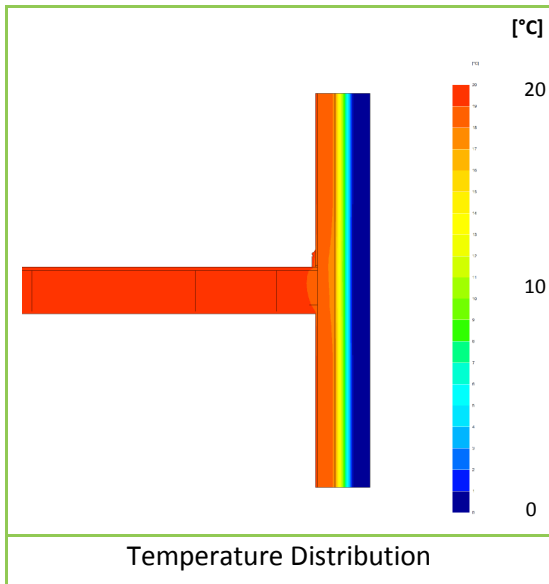
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| | | |
|--|--|---|
| General Construction Specification: (see detail below for full construction) | Main/Load-bearing: | Cellular Aggregate Block, Starperformer |
| | Insulation: | 100mm Mineral Wool, $\lambda=0.036$ |
| | Cavity: | 100mm Full fill Cavity |
| | Cladding: | 102mm Brick, $\lambda=0.77$ |
| Description: | Intermediate Floor, Timber. (Within Dwelling) | |
| Reference: | MCI-IF-02 | |

Junction Detail



Accredited (Indicative) Detail Number: MCI-IF-02



| Linear Thermal Transmittance W/m.K | |
|---------------------------------------|--------------|
| Ψ = | 0.000 |

| Temperature Factor ³ for Humidity and Mould | |
|---|--------------|
| f = | 0.955 |

Calculation Prepared By: **Matthew Wright MA Physics (Oxon) PGCE**

- Notes: -**
- Ψ and f are only valid for the detail drawn and described above.
 - U-values for the flanking walls are in the range $U = 0.29 \text{ W/m}^2\text{.K}$, or less.
 - In dwellings, a temperature factor f that is >0.75 would avoid the risk of mould growth.
 - Calculations have been performed in accordance with:
 - EN ISO 10211_2007 (British Standards)
 - IP 1/06 & BR497 (BRE Press)
 and with reference to the following publications:
 - EN ISO 6946 (British Standards)
 - BR443 (BRE Press)