

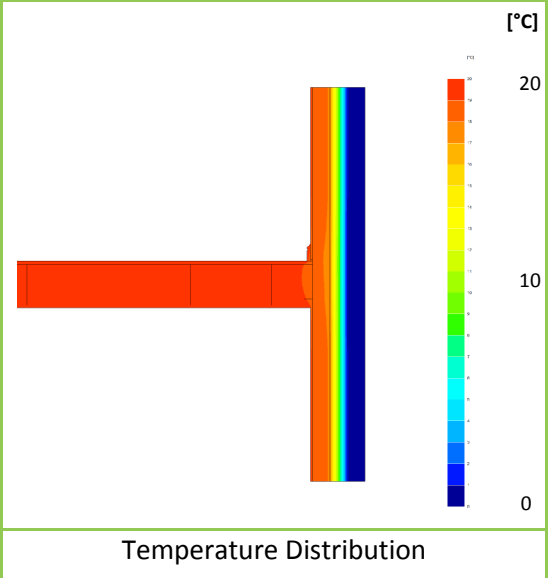
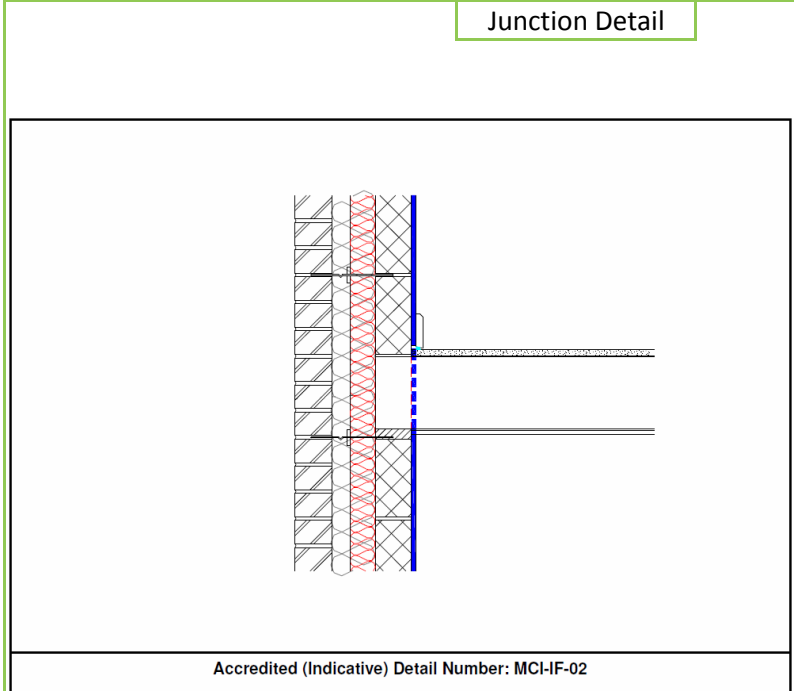
Linear Thermal Transmittance (Ψ) and Temperature Factor (f)

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General Construction Specification: (see detail below for full construction)	Main/Load-bearing:	Cellular Aggregate Block, Starperformer
	Insulation:	100mm Mineral Wool, $\lambda=0.040$
	Cavity:	100mm Full fill Cavity
	Cladding:	102mm Brick, $\lambda=0.77$
Description:	Intermediate Floor, Timber. (Within Dwelling)	
Reference:	MCI-IF-02	

Junction Detail



Linear Thermal Transmittance W/m.K	
$\Psi =$	0.000

Temperature Factor³ 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 $U = 0.33 \text{ W/m}^2\text{.K}$, 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)