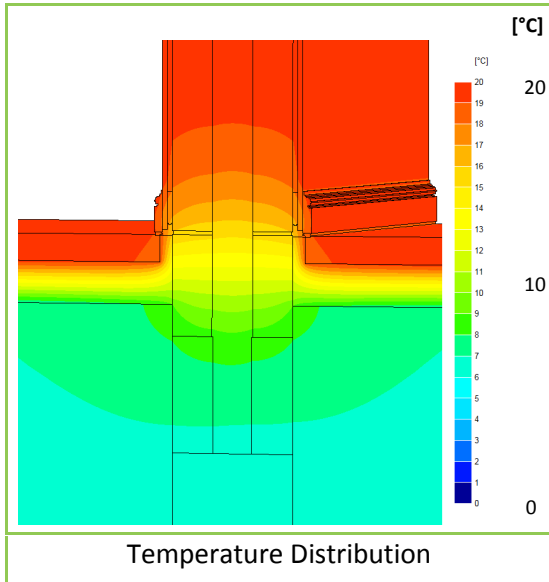
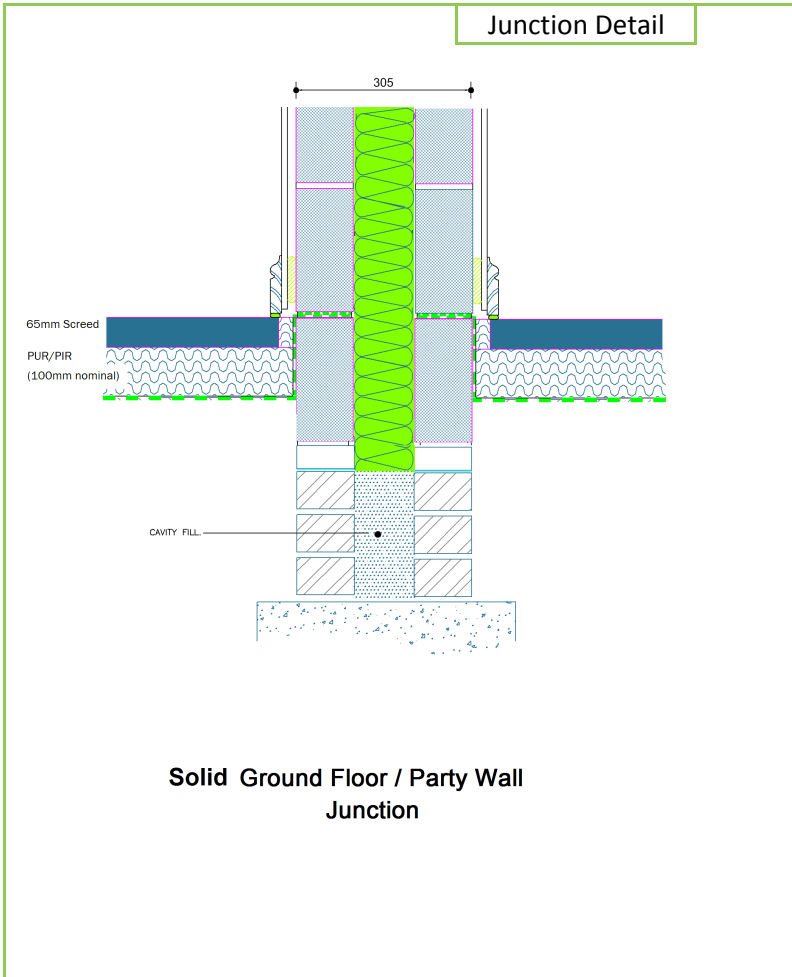


Certificate No: C4TM – 000779 vs.0 **Issued:** Saturday 12 November 2011

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Construction Specification used for Thermal Model: <i>(see detail below and notes for range of applicability)</i>	Ground Floor:	Solid Floor, 100mm PUR/PIR, 25mm perimeter, $\lambda = 0.022$
	Floor Build:	Nominal Floor $U=0.15$, insulation below screed
	Party Wall:	Twin Block leaf with 100mm cavity full fill insulation $\lambda=0.040$
	Party Wall Leaf:	Cellular Aggregate Block, Besblock Starperformer
Description:	Foot of Party Wall Junction (Solid Ground Floor/Party Wall)	
Reference:	P1	No ACD, implied, E-WM-11 fully filled



Linear Thermal Transmittance
W/m.K

$\Psi = 0.100$

Temperature Factor³ for Humidity and Mould

$f = 0.929$

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

Notes: *Precise ACD specification not published. Implied from other ACD specification. Party Junctions are per dwelling, that is, they have already been halved.*

- The Ψ and f quoted are calculated for the detail drawn and described above.
- The Ψ and f quoted are considered valid for U-value(s) **Ground Floor = 0.15 W/m².K +/- 20%**, following the present guidance from B. Anderson, BRE.
- 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)**