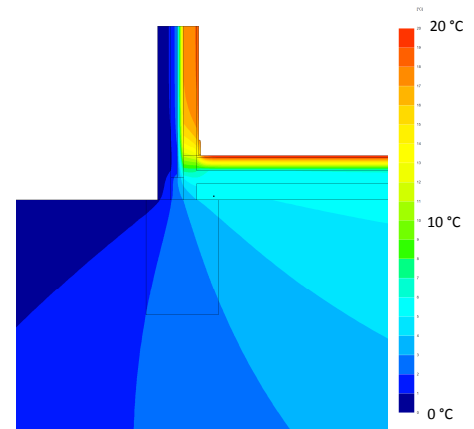
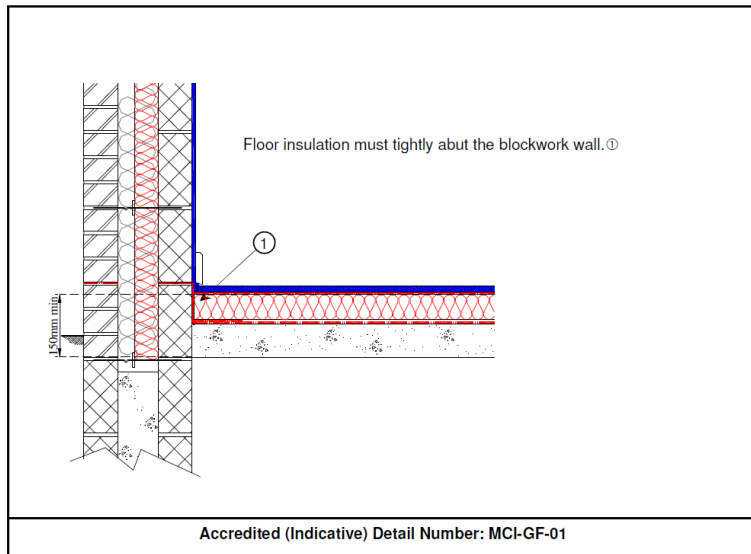


<b>Certificate No:</b>	<b>C4TM - 000089</b>	<b>Issued:</b>	<b>2 April 2009</b>
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*Issued to:*  
Besblock Limited  
**Heslop**  
Halesfield Industrial Estate  
Telford  
Shropshire  
TF7 4NF  
Tel: 01952 685000

<b>General Construction Specification:</b> (see detail below for full construction)	Load bearing, Inner Leaf:	100mm Star Performer Block
	Insulation:	100mm fullfill Mineral Wool
	Cavity:	100mm fullfill
	Cladding, Outer Leaf:	103mm brick
<b>Description:</b>	<b>Ground Floor, Insulation Above, Timber Finish</b>	
<b>Reference:</b>	<b>Accredited Detail MCI-GF-01</b>	

**Junction Detail**



**Linear Thermal Transmittance**  
**W/m.K**

**$\Psi = 0.140$**

**Temperature Factor<sup>3</sup> for**  
**Humidity and Mould**

**$f = 0.815$**

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

**Notes:**

- $\Psi$  and  $f$  are only valid for the detail drawn and described above.
- U-values for the flanking walls are within the range  $U = 0.28 \text{ W/m}^2\cdot\text{K}$  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)