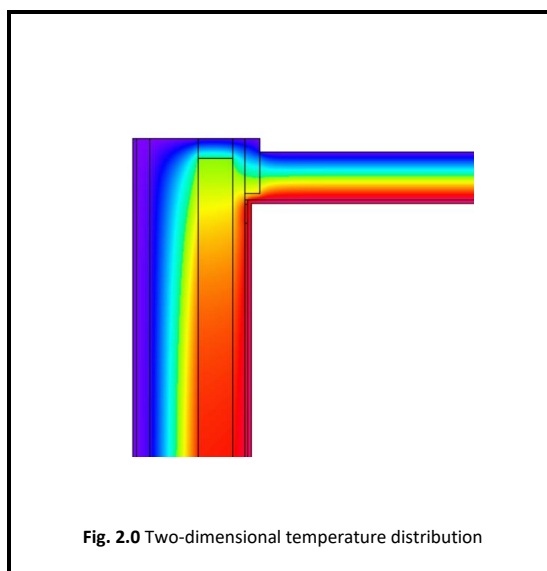
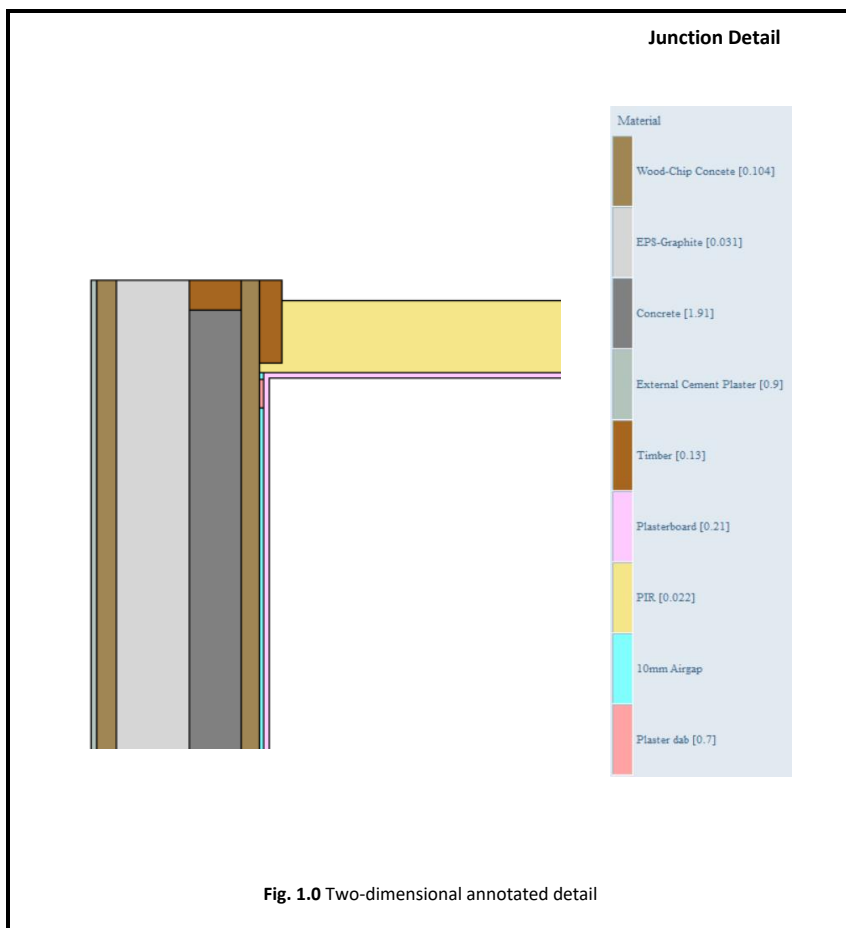


Certificate No:	Ref - Isotex Blocks	Issued:	23 December 2024
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Description:	Isotex Gable Wall - Rafter Roof		
Reference:	E13	Gable (insulated at rafter level)	



SAP 2012 Default (Ψ)	0.080 W/m.K
SAP 10 Default (Ψ)	0.250 W/m.K
Calculated Psi (Ψ)	0.162 W/m.K
Temperature Factor (f)	0.92

Calculated by: Sam Townsend

Standards

BR 497:2016 'Conventions for calculating linear thermal transmittance and temperature Factors' Second Edition
 BR 443:2019 'Conventions for U-value calculations'
 BS EN ISO 6946:2007 'Building components and building elements - Thermal resistance and thermal transmittance - Calculation method (ISO 6946:2007)'
 BS EN ISO 10211:2007 'Thermal bridges in building construction - Heat flows and surface temperatures - Detailed calculations (ISO 10211:2007)'
 BS EN ISO 13370:2007 'Thermal performance of buildings - Heat transfer via the ground - Calculations methods (ISO 13370:2007)'
 BRE Information Paper IP 1/06

Notes

- Only applicable where the detail above is followed and the specified lambda (thermal conductivity) values are achieved.
- The above detail has been modified from that provided, in accordance with BR497 and to reflect data specified - figures are only valid for this detail.
- To limit the risk of surface condensation and mould growth in dwellings, BRE IP 1/06 Table 1 stipulates the temperature factor must be ≥ 0.75 .

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