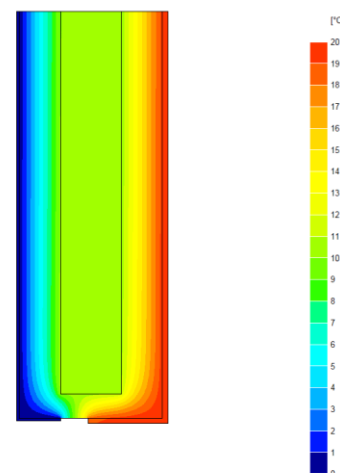
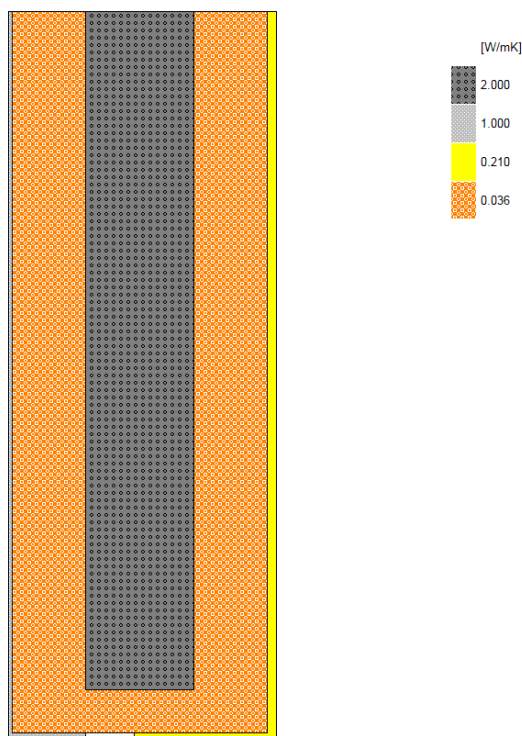


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|---|--|--|---|--|--|----------------|--|
| Certificate No: | | WRTM – 000065 vs. 0 | | Issued: | | 29 August 2019 | |
| <div>Issued to: Jean-Marc Bouvier</div> <div>Nudura Corporation</div> <div>International Sales & Field Support</div> <div>Tel: Mob +44 (0) 7766 118711</div> <div>Email: jmb@nudura.com</div> <div>www.nudura.com</div> | | <div>General Construction Specification:</div> <div>(see detail below for full construction)</div> | Main/Load-bearing: | 152mm (nominal) Dense Concrete Core, λ <= 2.50 | | | |
| | | | Insulation: | 2x 102mm layers of EPS, λ = 0.036 | | | |
| | | | Cavity: | 15mm Cavity behind Brick if present | | | |
| | | | Cladding: | 9mm of Render OR 102mm Brick OR other Cladding | | | |
| | | Description: | ICF Wall, Lintel & Jamb_EPS, EPS reveal closure | | | | |
| | | Reference: | E2/4 | Lintel & Jamb, EPS Closure, Standard Wall | | | |



Temperature Distribution

Linear Thermal Transmittance
W/m.K

$\Psi =$ 0.019

Temperature Factor³ for Humidity and Mould

$f =$ 0.937

Calculation Prepared By: Trefor Jones

Notes:

- Ψ and f are only valid for the detail drawn and described above.
- U-values are within the ranges of; for the flanking walls $U = 0.16 \text{ W/m}^2\text{.K}$ +/- 10% (external brick with cavity $U = 0.159$, thin render $U = 0.167$).
- In dwellings UK regulations indicate that a temperature factor f that is >0.75 would avoid the risk of mould. For other nations, jurisdictions and climates, other standards may apply. E.g. 0.65; Switzerland: 0.75; Belgium: 0.7; Germany: 0.7; Finland: 0.87. French, German and other standards often do not indicate a single number for acceptable risk, but are dependent on circumstances.
- 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)