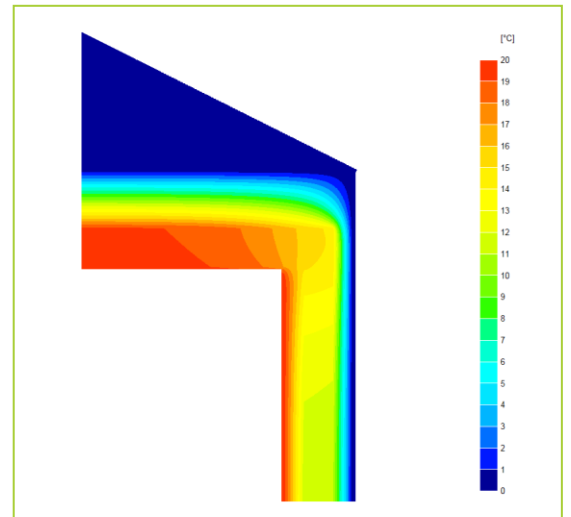
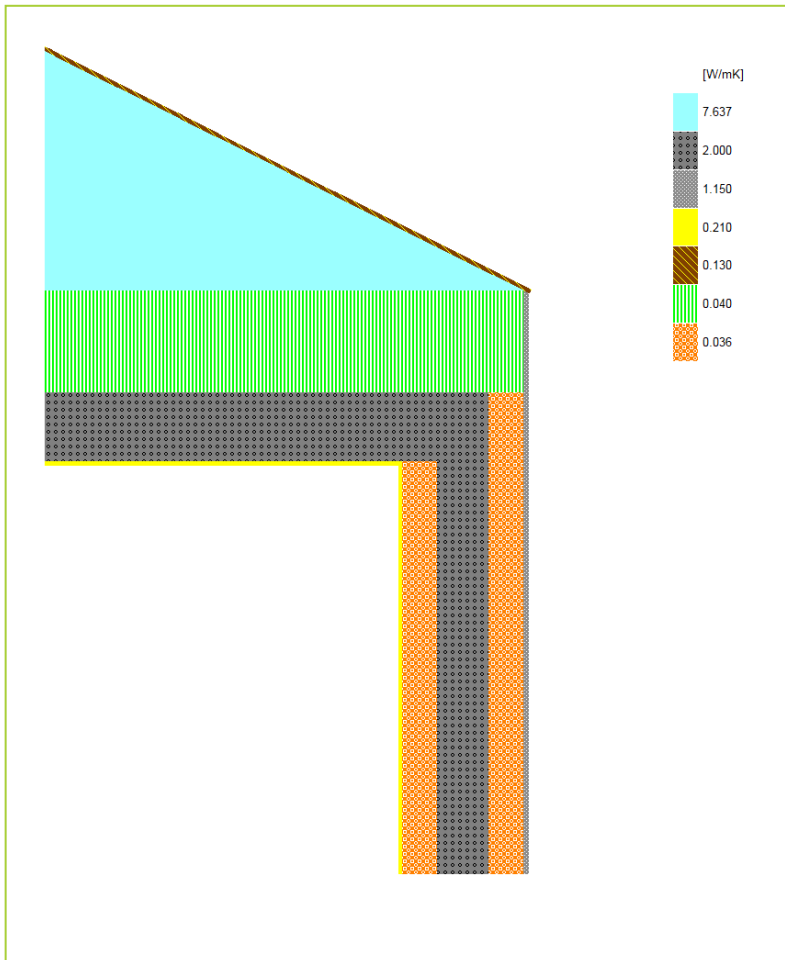


Certificate No:	WRTM – 000084 vs. 0	Issued:	29 August 2019
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Issued to: <i>Jean-Marc Bouvier</i> Nudura Corporation International Sales & Field Support Tel: Mob +44 (0) 7766 118711 Email: jmb@nudura.com www.nudura.com	General Construction Specification: (see detail below for full construction)	Main/Load-bearing:	152mm (nominal) Dense Concrete Core, $\lambda \leq 2.50$	
		Insulation:	2x 102mm layers of EPS, $\lambda = 0.036$	
		Concrete Flooring:	Cast in situ, 6mm acoustic mat with ceiling below	
			Cladding:	9mm of Render OR 102mm Brick OR other Cladding
		Description:	20cm concrete Upper floor under the roof with mineral wool 30cm R = 7.5	
	Reference:	E10	Eaves (at ceiling)	



Temperature Distribution

Linear Thermal Transmittance W/m.K	
$\Psi =$	0.155
Temperature Factor ³ for Humidity and Mould	
$f =$	0.913

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 $U = 0.16 \text{ W/m}^2\cdot\text{K}$ +/- 10% (external brick with cavity $U = 0.159$, thin render $U = 0.167$); and for the flanking roof 0.13 or more.
 - In dwellings, a temperature factor f that is >0.75 would avoid the risk of mould growth. 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)