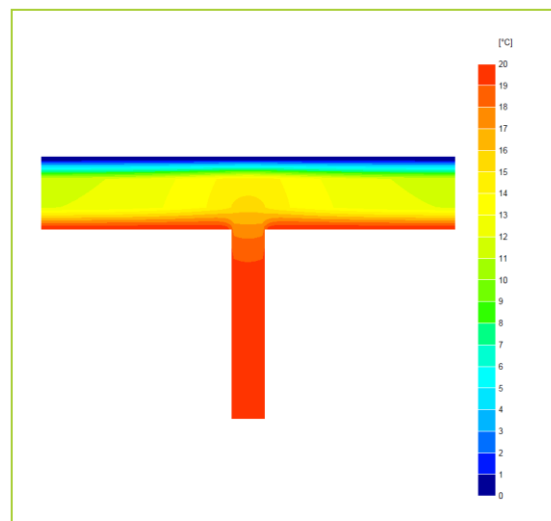
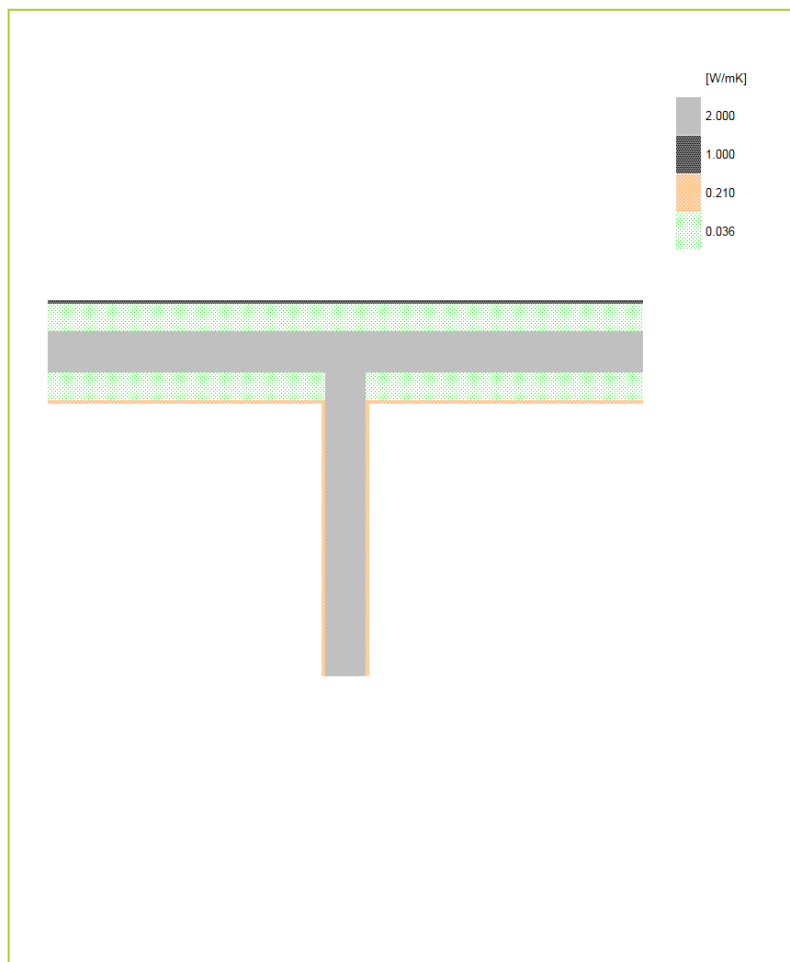


Certificate No:		WRTM – 000087 vs. 0		Issued:		29 August 2019	
<div>Issued to: Jean-Marc Bouvier</div> <div>Nudura Corporation</div> <div>International Sales & Field Support</div> <div>Tel: Mob +44 (0) 7766 118711</div> <div>Email: jmb@nudura.com</div> <div>www.nudura.com</div>		General Construction 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, $\lambda = 0.036$		
			Cavity:		15mm Cavity behind Brick if present		
			Cladding:		9mm of Render OR 102mm Brick OR other Cladding		
		Description:		Separating wall 18cm concrete (w/o insulation either side of the wall)			
		Reference:		E18		Party Wall	



Temperature Distribution

Linear Thermal Transmittance
W/m.K

$\Psi = 0.146$

Temperature Factor³ for Humidity and Mould

$f = 0.920$

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 $U = 0.167$); 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)