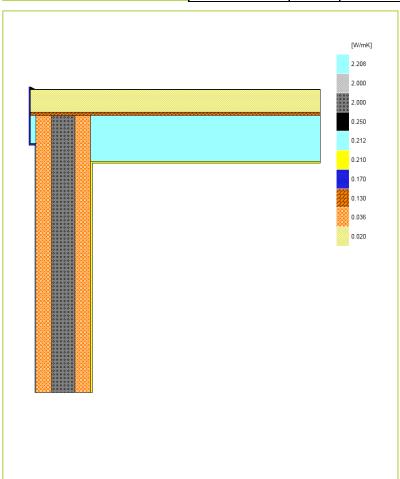
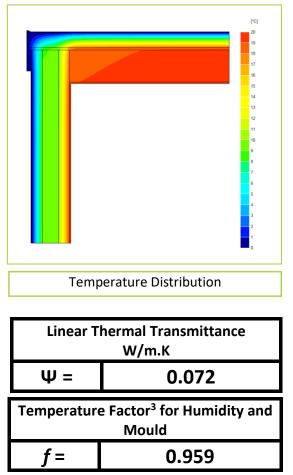


Certificate No:	WRTM – 000088 vs. 0			Issued:	29 August 2019
Issued to: Jean-Marc Bouvier	General	Main/L	oad-bearing:	152mm (nominal) Dense Concrete Core, λ <= 2.50	
	Construction Specification: (see detail below for full construction)	Insulation:		2x 102mm layers of EPS, λ = 0.036	
Nudura Corporation		Roof:		150mm PIR/PUR, λ = 0.020	
International Sales & Field Support		Cladding:		8mm Acrylic render or other	
Tel: Mob +44 (0) 7766 118711	Description:	ICF Wall, Flat Roof, Minimum Roof U-value 0.13			
Email: jmb@nudura.com www.nudura.com	Reference:	E14	Flat Roof + Wall		





Calculation Prepared By: Trefor Jones

## Notes:

- 1.  $\Psi$  and f are only valid for the detail drawn and described above.
- 2. 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.
- 3. 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.
- 4. 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)