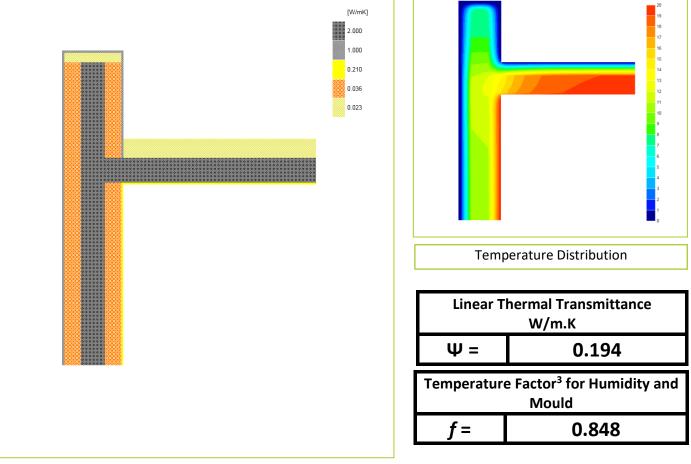


Issued to: Jean-Marc Bouvier General Main/Load-bearing: 152mm (nominal) Dense Concrete Nudura Corporation Specification: 2x 102mm layers of EPS, λ = 0.036 International Sales & Field Support full construction Roof Terrace: Cast in situ, 6mm acoustic mat, 75 Tel: Mob +44 (0) 7766 118711 Description: Upper floor as flat roof with sealing – 20cm conc	
Nudura Corporation Specification: (see detail below for full construction) Insulation: 2x 102mm layers of EPS, λ = 0.036 Specification: (see detail below for full construction) Roof Terrace: Cast in situ, 6mm acoustic mat, 75 Tel: Mob +44 (0) 7766 118711 Description: Upper floor as flat roof with sealing – 20cm conc	Core, λ <= 2.50
Nudura Corporation (see detail below for full construction) Roof Terrace: Cast in situ, 6mm acoustic mat, 75 International Sales & Field Support full construction) Cladding: 9mm of Render OR 102mm Br Tel: Mob +44 (0) 7766 118711 Description: Upper floor as flat roof with sealing – 20cm conc	
Tel: Mob +44 (0) 7766 118711 Description: Upper floor as flat roof with sealing – 20cm cond	nm MW with ceiling below
Tel: Mob +44 (0) 7766 118711	ick OR other Cladding
	rete + 12cm insulation R =
Email:jmb@nudura.comwww.nudura.comReference:E15Flat roof with parapet	



Calculation Prepared By:

Trefor Jones

Notes: Calculated only for the calculations of passive houses (PassivHaus, PHPP), not to be used with the UK construction regulations and SAP calculations. Party values are per dwelling, that is, they have already been halved.

1. $\boldsymbol{\Psi}$ and \boldsymbol{f} are only valid for the detail drawn and described above.

2. The Ψ and f quoted are considered valid for U-value(s) Wall U = 0.16 W/m².K +/- 10% (external brick with cavity U = 0.159, thin render U = 0.167), (allowance of +/- 20%, following the present guidance from B. Anderson, BRE, correspondence dated 24/02/2012, for the UK market). The use of different claddings may affect the U-value slightly, but will have no material impact on the calculated values used here, in this case.

3. In dwellings, UK regulations stipulate that a temperature factor, f, that is >0.75 would avoid the risk of mould growth. For other nations, jurisdictions and climates, please consult the local building regulations that apply for avoiding mould and condensation. (For example, typical requirements may be: Netherlands: 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)