

UVALUE CALCULATION

Users Ref: BDL001/TFWALL147

Issued on: 5.December.2008
Prop Type Ref:

Property:

SAP Rating: 0

Fuel Bill: £0

CO2 Emissions: 0.00 t/year

Energy used: 0.0 GJ per annum

Ene1: 0

ZC: 0.00

Surveyor: 4944-0001, GRAHAM VARLEY, Tel: 01772 690360, Fax: 01772 690842

Address: BLACKPOLE, LEWTH LANE, WOODPLUMPTON, PRESTON LANCS PR40TD

Client: BDL001, Boulder Developments Ltd, Norwell, Nottinghamshire, NG23 6JN, Tel: 01636 636 348, Fax: 01636 832 909

Software Version: EES SAP 2005.015.build.0019, April 2008, BRE SAP Worksheet 9.70, 9.80, 9.81

Regs Type: SAP 2001, Regs Region: England and Wales, Construction Type: New Build

Calculation method: BS EN ISO 6946, BS EN ISO 13370, BS 5250

Building Elements:

Building Element Wall 1

Layer	Description	Thickness	λ	R	Fraction
External surface				0.040	
Layer1	Render				
	Main construction	20 mm	0.570	0.035	100.00 %
Layer2	Orientated Strand Board				
	Main construction	18 mm	0.130	0.138	100.00 %
Layer3	Standard cavity / Timber stud				
	Main construction	147 mm	0.817	0.180	91.67 %
	Corrections - Cavity Unventilated, Emissivity: Normal				
	Bridging - Timber	147 mm	0.130	0.000	8.33 %
Layer4	SF40 Super Foil				
	Main construction	60 mm	0.017	3.564	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Layer5	Cavity / battens				
	Main construction	25 mm	0.000	0.000	100.00 %
Layer6	SF40 Super Foil				
	Main construction	60 mm	0.017	3.564	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Layer7	Cavity / battens				
	Main construction	25 mm	0.000	0.000	100.00 %
Layer8	12.5mm Gyproc Wallboard				
	Main construction	13 mm	0.190	0.066	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Internal surface				0.130	
Total resistance: Upper limit = 7.789 m ² K/W Lower limit = 7.731 m ² K/W Average = 7.760 m ² K/W					
U-value (unrounded) = 0.1289 W/m ² K					
Unheated space: None					
Total thickness: 368 mm			U-value: 0.13 W/m²K		