

UVALUE CALCULATION

Users Ref: BDL/BJORK/WALL

Issued on: 10.July.2009

Prop Type Ref:

Property: BJORK, West Dorset

Carbon Index: 0.0

SAP Rating: 0

Fuel Bill: £0.00

CO2 Emissions: 0.00 t/year

Energy used: 0.0 GJ per annum

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

SAP version: 0.00 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				0.130	
Layer1	Softwood, Weatherboard Main construction	25 mm	0.130	0.000	100.00 %
Layer2	airspace/timber battens Main construction	25 mm	0.192	0.000	89.63 %
	Corrections - Cavity Ventilated, Emissivity: Normal				
	Bridging - Timber	25 mm	0.130	0.000	10.37 %
Layer3	Breather membrane Main construction	1 mm	0.000	0.000	100.00 %
Layer4	Airspace / Timber batten Main construction	38 mm	0.000	0.000	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Layer5	SF40 Superfoil Quilt Main construction	60 mm	0.017	3.564	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Layer6	Airspace / Timber Batten Main construction	38 mm	0.000	0.000	100.00 %
	Corrections - Air Gap: Level 0, Fasteners: None or plastic				
Layer7	Lime Mortar Main construction	25 mm	1.000	0.025	100.00 %
Layer8	Rubble Main construction	100 mm	1.700	0.059	100.00 %
Layer9	Brick, inner leaf Main construction	103 mm	0.560	0.184	82.81 %
	Bridging - Mortar	103 mm	0.880	0.000	17.19 %
Layer10	Plaster, dense Main construction	13 mm	0.570	0.023	100.00 %
Internal surface				0.130	
Total resistance: Upper limit = 4.103 m ² K/W Lower limit = 4.098 m ² K/W Average = 4.101 m ² K/W					
U-value (unrounded) = 0.2439 W/m ² K					

Unheated space: None

Total thickness: 428 mm

U-value: 0.24 W/m²K