



Accredited S A P / S B E M & Code for Sustainable Homes Assessors – BREEAM - Air Pressure Testing - Smoke Tests – Acoustic Design & Testing - U Value Calculations - Acoustic Specifications – Part G Water Calculations

Park Lodge

Ground Floor – U-value 0.12

- 75mm screed
- 150mm Celotex XR4000
- Concrete beam and block

External Walls – U-value 0.2

- 12.5mm plasterboard on dabs
- 100mm Celcon Solar (lambda 0.11)
- 75mm Celotex CW4000
- 50mm cavity
- 100mm brick outer leaf

Plain Ceiling – U-value 0.11

- 12.5mm plasterboard
- Total 400mm mineral wool installed between and over joists

Party walls between dwellings fully filled with effective edge sealing.

Openings

- Composite wood door u-value 1.8
- Windows as wood frame, double glazed with low-e soft coat achieving transmittance factor 'g' 0.71 and u-value 1.4

Ventilation

- Natural ventilation
- Air pressure test of 5 or lower

Heating

- Allowed gas fired Ideal Logic System S24IE
- Radiators
- Time and temperature zone controls
- Weather compensator
- Wood log burner
- **Please note, changing the boiler system may result in a failure. Please contact your SAP assessor to ensure your chosen system will comply in your calculations.**



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Water Heating

- Allowed for 210L hot water cylinder
- Cylinder in heated space
- Cylinderstat
- Fully insulated primary pipework
- Water heating timed separately

Other

- 100% low energy light fittings throughout

Junction	SAP Ref.	Default	Accredited	Aircrete Partial Fill
<i>External Wall Junctions</i>				
Other Lintels	E2			CD0004
Sills	E3		MCI-WD-04	
Jamb	E4		MCI-WD-05	
Ground Floor (normal)	E5			CD0001
Intermediate Floor within a Dwelling	E6			CD0008
Eaves Insulation at Ceiling Level	E10		MCI-RE-01	
Gable Insulation at Ceiling Level	E12			CD0010
Corner (normal)	E16			CD0014
Corner (inverted)	E17			CD0015
Party Wall Between Dwellings	E18		MCI-IW-01	CD0016
<i>Party Wall Junctions</i>				
Ground Floor (normal)	P1	Yes		
Intermediate Floor within a Dwelling	P2	Yes		
Roof (insulation at ceiling level)	P4	Yes		