

PART L1B SPECIFICATION SUMMARY

Project Address – Conversion to create 5no. new self-contained flats at 7 Derby Road, Leek	
Orientation (When stood facing out of the front door)	N/A
Dwelling designed to achieve a water use target of not more than 125 Litres per person per day	N/A

General Construction	Calculated U-Value (W/m²K)	Maximum Threshold U-Value (W/m²K)
Main Floor 1 – Exposed Floor to Commercial Unit/Communal Area 22mm Chipboard, 150mm Rockwool between Joists, 2no. 12.5mm Plasterboard Underneath	0.24	0.25
External Wall 1 – Upgraded Existing Solid Wall 230mm Brick, 15mm Plaster, 72.5mm Celotex insulated Plasterboard on dabs,	0.29	0.28
External Wall 2 – Upgraded Existing Solid Wall to Corridor Plaster, 100mm Brick, 15mm Plaster, 72.5mm Celotex insulated Plasterboard on dabs,	0.30	0.30
External Wall 3 – Timber Wall to Corridor Plasterboard, 150mm Rockwool RW45 Slab between Studwork, Plasterboard	0.27	0.30
Party Wall – Insulation between Timber Frame & Edge Sealing	0.00	0.00
Main Roof 1 – Pitched Roof Insulated at Ceiling 150mm Mineral Wool above Joists, 150mm Mineral Wool between Joists, 12.5mm Plasterboard	0.15	0.16

**If any of the above individual values exceed the maximum threshold values, you can still achieve compliance through design flexibility, which assesses the whole dwelling against a notionally compliant dwelling.*

Openings	g-value	U-value
Upgraded Windows	0.63	1.60
Solid Door to Corridor	N/A	1.00

**Window U-value – This value must reflect the 'whole' window rather than just the centre pane*

Heating and Ventilation	Specification
Main Heating System	Electric panel heaters
Secondary Heating System	N/A
Water Heating	Instantaneous at point of use – No cylinder store.
Heating Controls	Programmer & appliance thermostats
Heat Emitter	Electric radiators
Ventilation	2 x intermittent extract fans to kitchen and bathrooms

Other	Specification
Lighting	100% low energy light fittings throughout
Air Tightness and Infiltration	N/A
Thermal Bridging	N/A
Summer Overheating	Windows openable & cross ventilation possible
Renewable Technology	N/A

Building Regulations Part L1B Compliance Review (Design Flexibility)

Dwelling	Dwelling CO2 Emission Rate tonnes/year	Notionally Compliant CO2 Emission Rate tonnes/year	Percentage Improvement on Part L1B requirements %
(Block Compliance)	7.25	7.56	+4.10%

Flat Number	Draft EPC Rating
1	65 D
2	66 D
3	67 D
4	70 C
5	65 D

I confirm that, to the best of my knowledge, the above as built specification has been implemented on site,

Name

Signed

Date