

Remington Road

Part L Specification

Part L of The Building Regulations (2013)

Job No	CE1956
Revision	C
Issue Purpose	As-Built Stage
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Approved By	Ryan Thrower
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Disclaimer

This Report is based on information provided by third parties except for any assumptions made to gain compliance.

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TABLE – PART L SPECIFICATION – FABRIC

ELEMENT	U-VALUES (W/m ² K)	SPECIFICATION NOTES	INFORMATION SOURCE/REFERENCE
External Walls – E1 – E2 – E3 – E4 (Flats)	0.23 W/m²K	75mm Rockwool Duo Slab (0.035 W/mK). 100mm SFS fully filled with APR Full Insulation (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0300 !C8! Ext. Wall Types Glossary - Blocks A,B,C
External Walls – HE1 (Houses)	0.19 W/m²K	100.5 Rockwool Duo Slab (0.035 W/mK). 100mm SFS fully filled with Rockwool Flexi (0.035 W/mK).	RER-DAR-XX-XX-DR-A-0309 !C11! Ext. Walls Glossary - M. and T. Houses
External Walls – E5 (Flats)	0.16 W/m²K	150mm Rockwool Duo Slab (0.035 W/mK). 100mm SFS fully filled with APR Full Insulation (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0300 !C8! Ext. Wall Types Glossary - Blocks A,B,C
Sheltered Wall - Type 11 and 11B	0.27 W/m²K	25mm PIR (0.022 W/mK). 50mm Isover APR 1200 (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Sheltered Wall - Type 17	0.23 W/m²K	50mm RWA45 (0.035 W/mK). 100mm SFS fully filled with APR Full Insulation (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Sheltered Wall - Type 6	0.23 W/m²K	3 * 50mm APR 1200 (0.039 W/mK between studs).	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Sheltered Wall - Type 13 and 13B	0.25 W/m²K	40mm PIR (0.022 W/mK). 50mm Isover APR 1200 (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Sheltered Wall - Type 12 and 12B	0.29 W/m²K	25 mm PIR (0.022 W/mK). 50mm Isover APR 1200 (0.039 W/mK).	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Party Walls	0.0 W/m²K	Fully filled or solid walls.	RER-DAR-XX-XX-DR-A-0301 !C6! Int. Walls Glossary 1 of 2 - Blocks A,B,C
Roof – Flats – R1	0.17 W/m²K	175mm Radmat Protherm-G XPS X300 SL insulation (0.031 W/mK).	RER-DAR-XX-XX-DR-A-0304 !C2! Roof Types Glossary - Blocks A,B,C
Roof – Flats – R2	0.19 W/m²K	145mm Radmat Protherm-G XPS X3000 ultra insulation (0.028 W/mK).	RER-DAR-XX-XX-DR-A-0304 !C2! Roof Types Glossary - Blocks A,B,C
Roof – Flats – R3	0.20 W/m²K	75 mm Foamglass T3+ (0.036 W/mK). 50mm Rockwool Soffit Slab (0.034 W/mK).	RER-DAR-XX-XX-DR-A-0304 !C2! Roof Types Glossary - Blocks A,B,C
Roof – Houses – H.R1 & H.R2	0.14 W/m²K	150mm Radmat Protherm PIR insulation (0.024 W/mK).	RER-DAR-XX-XX-DR-A-0308 !C2! Roof Types Glossary - M. and T. Houses
Ground Floor – Flats – F1	0.12 – 0.14 W/m²K	100mm Kingspan K103 (0.018 W/mK).	RER-DAR-XX-XX-DR-A-0303 !C2! Floor Types Glossary - Blocks A,B,C
Exposed Floor – Flats – F4	0.14 W/m²K	100mm Kingspan K103 (0.018 W/mK).	RER-DAR-XX-XX-DR-A-0303 !C2! Floor Types Glossary - Blocks A,B,C

Ground Floor – Houses – H.F1	0.11 - 0.13 W/m²K	100mm Kingspan K103 (0.018 W/mK). Perimeter : Area calculated.	RER-DAR-XX-XX-DR-A-0307 !C4! Floor Types Glossary - M and T. Houses
Windows	1.4 W/m²K	Manufacturer to be made aware. U-Value for whole window (frame and glazing)	
Air Permeability	3 m³/hm²@50Pa	All plots to be air tested	
Thermal Bridging		NRG Concrete Frame Details (Flats) ACDs (Houses)	

ELEMENT	PROPOSED DETAILS	INFORMATION SOURCE
Ventilation - Houses	NUAIRE MRXBOX-ECO2 - (MVHR)	E-Mail informed by FMNE
Heating - Flats	Joule Modul-AIR - 150ltr	
Ventilation - Flats	Joule Modul-AIR built in Green Comfort (MVHR)	
Heating - Houses	Samsung Electronics Heat Pump (Samsung Electronics AE050RXYDEG)	
Heating Emitters	Radiators (with the exception of the GF on the E and W Houses which are Underfloor)	
Heating Controls	Time and Temperature Zone Control	
Water Heating – Houses	Joule 180ltr Cylinder - 1.4 measured loss kwh/day	
Lighting	100% Low Energy	
Renewable Technology	PV Array of 243 panels spread across houses and flats – 100.845 kWp	As per - 1052 Remington PV Site Layout 20Jan2023 v2