Thermal Bridging

elmhurst energy

Property Reference	P22691(4) Mount P	Issued on Date	24/02/2023
Assessment Reference	P22691(4)	Prop Type Ref	Mid-Terrace House
Property	New House 4, 40-48, Mount Pleasant, Reading, RG1 2TF		

SAP Rating	84 B	DER	3.92	TER	11.95
Environmental	97 A	% DER < TER			67.20
CO_2 Emissions (t/year)	0.28	DFEE	34.83	TFEE	35.61
Compliance Check	See BREL	% DFEE < TFEE			2.20
% DPER < TPER	33.92	DPER	41.34	TPER	62.56

Assessor Details	Mr. Malcolm Lisle	Assessor ID	P736-0001
Client	Mount P, Jay Zaman		

	Junction details	Source Type	Psi (W/mK)	Length (m)	Result	Reference
External wall	E1 Steel lintel with perforated steel base plate	Independently assessed	0.058	10.40	0.60	
External wall	E3 Sill	Independently assessed	0.045	5.90	0.27	
External wall	E4 Jamb	Independently assessed	0.050	37.60	1.88	
External wall	E5 Ground floor (normal)	Independently assessed	0.055	8.20	0.45	
External wall	E6 Intermediate floor within a dwelling	Independently assessed	0.000	14.80	0.00	
External wall	E13 Gable (insulation at rafter level)	Independently assessed	0.069	9.60	0.66	
External wall	E15 Flat roof with parapet	Table K1 - Default	0.300	3.70	1.11	
External wall	E16 Corner (normal)	Independently assessed	0.044	2.50	0.11	
External wall	E18 Party wall between dwellings	Independently assessed	0.037	2.50	0.09	
External wall	E25 Staggered party wall between dwellings	Independently assessed	0.037	29.20	1.08	
Party wall	P1 Party wall - Ground floor	Independently assessed	0.049	15.20	0.74	
Party wall	P2 Party wall - Intermediate floor within a dwelling	Table K1 - Default	0.000	26.40	0.00	
Party wall	P4 Party wall - Roof (insulation at ceiling level)	Independently assessed	0.077	6.60	0.51	
Party wall	P5 Party wall - Roof (insulation at rafter level)	Independently assessed	0.071	9.60	0.68	
External roof	R1 Head of roof window	Table K1 - Default	0.240	3.10	0.74	
External roof	R2 Sill of roof window	Table K1 - Default	0.240	3.10	0.74	
External roof	R3 Jamb of roof window	Table K1 - Default	0.240	4.80	1.15	
External roof	R4 Ridge (vaulted ceiling)	Table K1 - Default	0.120	4.80	0.58	
External wall	E17 Corner (inverted – internal area greater than external area)	Independently assessed	-0.053	2.50	-0.13	

Total: 11.27 W/mK:

Y-Value: 0.09 W/m²K: