

Thermal Bridging



Property Reference	P22691(1) Mount P	Issued on Date	24/02/2023
Assessment Reference	P22691(1)	Prop Type Ref	End-Terrace House
Property	New House 1, 40-48, Mount Pleasant, Reading, RG1 2TF		

SAP Rating	82 B	DER	4.37	TER	13.79
Environmental	96 A	% DER < TER			68.31
CO ₂ Emissions (t/year)	0.32	DFEE	44.04	TFEE	44.15
Compliance Check	See BREL	% DFEE < TFEE			0.24
% DPER < TPER	36.55	DPER	45.97	TPER	72.46

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	13.10	0.76	
External wall	E3 Sill	Independently assessed	0.045	8.60	0.39	
External wall	E4 Jamb	Independently assessed	0.050	47.20	2.36	
External wall	E5 Ground floor (normal)	Independently assessed	0.055	15.80	0.87	
External wall	E6 Intermediate floor within a dwelling	Independently assessed	0.000	28.00	0.00	
External wall	E11 Eaves (insulation at rafter level)	Independently assessed	0.036	4.80	0.17	
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	7.00	2.10	
External wall	E16 Corner (normal)	Independently assessed	0.044	12.10	0.53	
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	14.60	0.54	
Party wall	P1 Party wall - Ground floor	Independently assessed	0.049	7.60	0.37	
Party wall	P2 Party wall - Intermediate floor within a dwelling	Table K1 - Default	0.000	13.20	0.00	
Party wall	P4 Party wall - Roof (insulation at ceiling level)	Independently assessed	0.077	3.30	0.25	
Party wall	P5 Party wall - Roof (insulation at rafter level)	Table K1 - Default	0.480	4.80	2.30	
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	-0.051	2.50	-0.13	

Total: 14.50 W/mK:
Y-Value: 0.08 W/m²K: