

B&Q Cricklewood ES Volume III

Appendix 13-3: Construction Noise
Predictions

Montreaux Cricklewood Developments Ltd

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Appendix 13.3: Construction Noise Predictions

Plant	BS5228 Reference	Noise dB(A) at 10m	Stage														
			Enabling Works		Demolition and Site Clearance		Earth works and Substructure		Super Structure		Roofing and Cladding		Fit-out & Lift Install				
			Qty	dB(A)	Qty	dB(A)	Qty	dB(A)	Qty	dB(A)	Qty	dB(A)	Qty	dB(A)			
Tower cranes	Table C.3 ref. 29	70		0		0		0		1	70		1	70		0	
Passenger/goods hoists	Table C.4 ref. 61	68		0		0		0		1	68		1	68		1	68
Excavators and breakers	Table C.1 ref. 9	90	1	90	1	90	1	90			0			0			0
Cutters, drills and small tools	Table C.4 ref. 69	85	1	85	1	85	1	85	1	85	1	85	1	85	1	85	85
Crushers	Table C.1 ref. 14	82		0		1	82	1	82		0			0			0
Floodlights	Table C.4 ref. 86	65		0		1	65	1	65	1	65	1	65				0
Fork lift truck	Table D.7 ref. 93	76		0		0		1	76	1	76	1	76	1	76	1	76
Hydraulic benders and cutters	Table C.1 ref. 18	79		0		0		1	79	1	79			0			0
Lorries and Vans	Table C.2 ref. 34	80	1	80	1	80	1	80	1	80	1	80	1	80	1	80	80
Mobile Cranes	Table C.3 ref. 29	70		0		0		1	70	1	70	1	70	1	70	1	70
Mobile Lorry mounted concrete pump	Table C.3 ref. 26	75		0		0		1	75	1	75			0			0
Poker vibrator	Table C.4 ref. 34	69		0		0		1	69	1	69			0			0
Ready mixed concrete lorry	Table C.4 ref. 20	80		0		0		1	80	1	80			0			0
Concrete splitters/concrete saws	Table C.4 ref. 70	91		0		1	91	1	91	1	91			0			0
Total Noise at 10m				92		95		95		93		87		87			

		Stage					
		Enabling Works	Demolition and Site Clearance	Earth works and Substructure	Super Structure	Roofing and Cladding	Fit-out & Lift Install
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Receptor	R1: Dairyman Close						
Distance (m)	90	-19	-19	-19	-19	-19	-19
Screening	-10	-10	-10	-10	-10	-10	-10
Façade	3	3	3	3	3	3	3
On Time %	50	-3	-3	-3	-3	-3	-3
Noise level dB(A)		62	65	66	64	58	58
Receptor	R2: Cricklewood Lane						
Distance (m)	50	-14	-14	-14	-14	-14	-14
Screening	-10	-10	-10	-10	-10	-10	-10
Façade	3	3	3	3	3	3	3
On Time %	50	-3	-3	-3	-3	-3	-3
Noise level dB(A)		68	71	71	69	63	63
Receptor	R3: Kara Way						
Distance (m)	60	-16	-16	-16	-16	-16	-16
Screening	-10	-10	-10	-10	-10	-10	-10
Façade	3	3	3	3	3	3	3
On Time %	50	-3	-3	-3	-3	-3	-3
Noise level dB(A)		66	69	69	67	61	61
Receptor	R4: Travelodge						
Distance (m)	130	-22	-22	-22	-22	-22	-22
Screening	-10	-10	-10	-10	-10	-10	-10
Façade	3	3	3	3	3	3	3
On Time %	50	-3	-3	-3	-3	-3	-3
Noise level dB(A)		59	62	63	61	55	54