

Table 2 Noise Measurement Results

Operation	L_{Aeq,T} dB(A) at Operator	Time for exposure standard L_{Aeq,8h} of 85 dB(A) to be exceeded	85 dB(A) Hazard Radius
Bricklaying:			
Block cutting circular saw: -Standard blade	105	4.8 min	18 m
-Noise-reduced blade	92	1 h 35 min	2 m
Brick cutting circular saw: -Standard blade	108	2.5 min	12 m
-Noise-reduced blade	93	1 h 20 min	4 m
Easymix brick cutting circular saw	106	4 min	7 m
Mikasa plate compactor	97	30 min	4 m
Stihl hand-held concrete saw	105	4.8 min	8 m
Tiling:			
Jolli Sigma wet saw	99	18 min	10 m
4" Hitachi angle grinder	104	6 min	>10 m
Hitachi mixer	86	7 h	1 m
Ryobi grinder	97	30 min	7 m
Ryobi polisher	79	>24 h	0
Hitachi cutter - marble	97	30 min	7 m
- granite	103	7.8 min	12 m
Ceiling:			
Ryobi drop saw - aluminium	97	30 min	6 m
De Walt 4" angle grinder – steel	99	18 min	7 m
Makita hammer drill – concrete	99	18 min	9 m
Metal cutting saw with abrasive disc	107	3 min	12 m
Ramset dyna drill - concrete	91	2 h	2.5 m
- metal/concrete	99	18 min	(not measured)
- brick	91	2 h	"
- metal/brick	101	12 min	"
De Walt screw gun – metal/plaster	75	>24 h	0
Concrete:			
Kanga hammer (electric) - in basement	100	15 min	Whole basement
- in open	93	1 h 20 min	5 m
Makita hammer drill – inside	101	12 min	Whole room
Carpenter:			
Makita saw - chipboard	89	3 h 15 min	1.5 m