

Only complete the information required in the 6 yellow boxes below

ACTIVITY: Using the Orbital Sander - This process is 1 minutes per cycle. However many breaks will occur during this task, it is highly unlikely that the EAV daily action level of 2.5 m/s² will every be exceeded. So no additional control measures are required at the present time. Worse scenario 1 Hour per day (50 Doors per day)

Power Tool in use (Detail make and model) **MIRKA RO5650DB ORBITAL SANDER** Vibration magnitude m/s² r.m.s **3.4**

Estimated trigger time per single operation (Sec) **60** Quantity of operations allowed per shift **1**

Trigger time in minutes 1 = 0 Hours 1.00 Minutes

CONTROL BOX COLOUR KEY

- Adjust the quantity of operations allowed until all 4 control boxes show a green result (below the daily and total action values)
- Where the number of operations results in an orange control box (between the lower and upper exposure levels) then the control measures identified must be followed.
- Where a red control box occurs then the action levels have been exceeded and cannot be accepted.

VIBRATION CONTROL BOXES (Both apply)

DAILY VIBRATION ACTION LEVELS				VIBRATION CONTROL BOXES (Both apply)	
		Daily	Total	Daily exposure m/s ² A (8)	Total Exposure points
EAV - Exposure Action Value	EAV	2.5	100	0.16	0
ELV - Exposure Limit Value	ELV	5	400		

CONTROL MEASURES : Control measures are not required as long as the quantity of operations is not exceeded

VIBRATION EXPOSURE POINTS READY RECKONER

VIBRATION MAGNITUDE m/s ²	DAILY EXPOSURE TIME									
	15m	30m	1h	2h	3h	4h	5h	8H	8h	10h
40	800									
30	450	900								
25	315	625	1250							
20	200	400	800							
19	180	360	720	1450						
18	160	325	650	1300						
17	145	290	580	1150						
16	130	255	510	1000						
15	115	225	450	900	1350					
14	98	195	390	785	1200					
13	85	170	340	675	1000	1350				
12	72	145	290	575	865	1150	1450			
11	61	120	240	485	725	970	1200	1450		
10	50	100	200	400	600	800	1000	1200		
9	41	81	160	325	485	650	810	970	1300	
8	32	64	130	255	385	510	640	770	1000	1200
7	25	49	98	195	295	390	490	590	785	865
6	18	36	72	145	215	290	360	430	575	720
5.5	15	30	61	120	180	240	305	365	485	605
5	13	25	50	100	150	200	250	300	400	500
4.5	10	20	41	81	120	160	205	245	325	405
4	8	16	32	64	96	130	160	190	255	320
3.5	6	12	25	49	74	95	125	145	195	245
3	5	9	18	36	54	72	90	110	145	180
2.5	3	6	13	25	38	50	63	75	100	125
2	2	4	8	16	24	32	40	48	64	80
1.5	1	2	5	9	14	18	23	27	36	45
1	1	1	2	4	6	8	10	12	16	20