Table C1: Floor classification for defined movement.

Floor classification	MHE lift height[1]	Property A_{unit}[2]	Property B	Property C_{unit}	Property D
		Transverse elevational difference unit value – mm per m of load axle length	Transverse rate of change for each 300 mm of forward travel. Fixed % of Property A_{MHE} value	Longitudinal elevational difference unit value – mm per m of front to rear axle length = A_{unit} × 1.1	Longitudinal change in elevational difference for each 300 mm of forward travel (mm) = A_{unit}
DM 1	Over 13 m	**1.3**	75	1.4	1.3
DM 2	8 to 13 m	**2.0**	75	2.2	2.0
DM 3	Up to 8 m	**2.5**	75	2.8	2.5

Notes:

[1] MHE heights are the same as those given in Table 4.3.
[2] A_{units}, in effect, defines the floor quality and could, in principle, be used for specification purposes.

Table C2: Applied limit values for defined-movement areas for typical MHE with dimensions T = 1.3 m and L = 1.8 m.

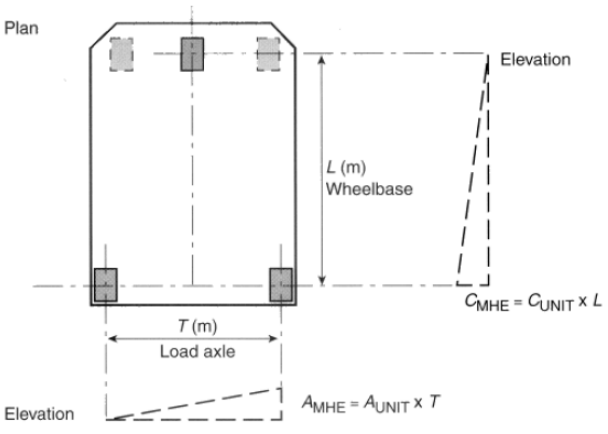
Floor classification	Property A_{unit}	Property A_{MHE}	Property B	Property C_{MHE}	Property D
		$T \times A_{unit}$	$A_{MHE} \times 0.75$	$L \times C_{unit}$	A_{unit}
DM 1	1.3	1.7	1.3	2.6	1.3
DM 2	2.0	2.6	2.0	4.0	2.0
DM 3	2.5	3.3	2.5	5.0	2.5

Note. The values given in Table C2 should used when the actual truck dimensions are unknown at the time of construction.

Table C3: Worked example: applied limit values for defined-movement areas for MHE with dimensions T = 1.4 m and L = 2.0 m for a DM2 floor.

Floor classification	Property A_{unit}	Property A_{MHE}	Property B	Property C_{MHE}	Property D
		$T \times A_{unit}$	$A_{MHE} \times 0.75$	$L \times C_{unit}$	A_{unit}
DM 2	2.0	1.4 × 2.0 = 2.8	2.8 × 0.75 = 2.1	2.0 × 2.2 = 4.4	2.0

For all classifications, all points surveyed should be within ± 15 mm from datum.



(a) Schematic of MHE.

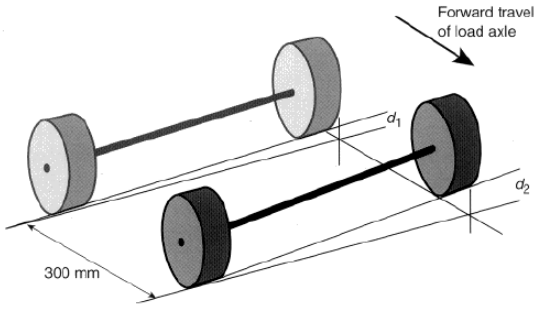


Figure C3: Property B (= $d_2 - d_1$)

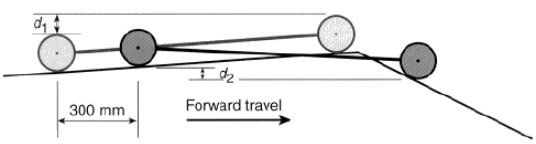


Figure C4: Property D (= $d_2 - d_1$)

PLEASE NOTE:
These are extracts from the Concrete Society's Technical Report TR34.
For further information, contact the Concrete Society on +44 (0) 1276 607140