

B-DECK

We recommend that a minimum of .9 mm metal B Deck be used on all 19 mm ResinDek® flooring projects and a minimum of 1.2 mm when live and dead pallet jack loads exceed 1,135 kgs.

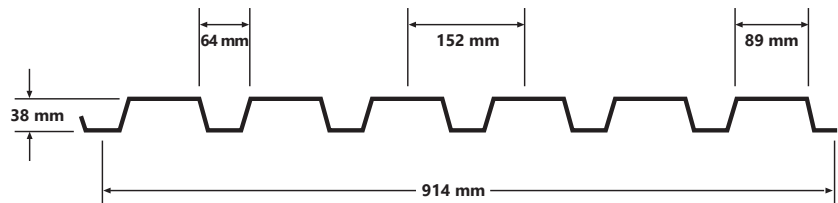
Mezzanine B-Deck 38 mm Allowable Uniform Loads (kN/m²) that Produce L/240 Deflection

Number of Spans	B-Deck Thickness	Min Yield (MPa)	914 mm	1067 mm	1219 mm	1372 mm	1524 mm	1676 mm	1829 mm	1981 mm	2134 mm	2286 mm
Single	0.9 mm	413	27.1 / 22.1	19.9 / 13.9	15.2 / 9.3	12 / 6.6	9.7 / 4.8	8 / 3.6	6.8 / 2.8	5.7 / 2.2	5 / 1.7	4.3 / 1.4
	1.2 mm	413	37.9 / 31.5	27.9 / 19.8	21.3 / 13.3	16.9 / 9.3	13.6 / 6.8	11.3 / 5.1	9.5 / 3.9	8.1 / 3.1	6.9 / 2.5	6.1 / 2
	1.5 mm	227	27.5*	20.2*	15.5*	12.2*	9.9 / 8.9	8.2 / 6.7	6.9 / 5.2	5.8 / 4.1	5.1 / 3.3	4.4 / 2.6
Double	0.9 mm	413	27*	20*	15.4*	12.3*	10*	8.2*	6.9*	5.9 / 5.6	5.1 / 4.5	4.5 / 3.6
	1.2 mm	413	37.7*	28.1*	21.6*	17.2*	14*	11.6*	9.8 / 9.7	8.3 / 7.6	7.2 / 6.1	6.3 / 4.9
	1.5 mm	227	26.4*	19.6*	15.2*	12.1*	9.8*	8.1*	6.8*	5.8*	5*	4.4*
Triple	0.9 mm	413	33.1*	24.7*	19.1 / 18.6	15.2 / 13.1	12.4 / 9.5	10.2 / 7.1	8.6 / 5.5	7.4 / 4.4	6.4 / 3.4	5.6 / 2.8
	1.2 mm	413	46.3*	34.6*	26.7 / 25.6	21.3 / 18	17.3 / 13.1	14.4 / 9.8	12.1 / 7.6	10.3 / 5.9	9.0 / 4.8	7.8 / 3.9
	1.5 mm	227	32.4*	24.2*	18.7*	14.9*	12.2*	10.1*	8.5*	7.3*	6.3 / 6.1	5.5 / 5

NOTE: *Allowable Uniform Load shown only, L/240 Exceeds Allowable Load

B-Deck Physical Properties

Thickness	Weight (kg/m ²)	
	Painted	Galvanized
0.9 mm	10.3	10.7
1.2 mm	13.7	14.2
1.5 mm	16.6	17.1



N-DECK

N-Deck can be used for pallet jacks as well as robots - please contact Cornerstone Specialty Wood Products for warranted capabilities.

Mezzanine N-Deck 76 mm Allowable Uniform Loads (kN/m²) that Produce L/240 Deflection

Number of Spans	B-Deck Thickness	Min Yield (MPa)	2134 mm	2286 mm	2438 mm	2591 mm	2743 mm	2946 mm	3048 mm	3200 mm	3353 mm	3505 mm
Single	0.9 mm	413	10.5 / 7.7	9.1 / 6.2	8.0 / 5.1	7.1 / 4.3	6.4 / 3.6	5.7 / 3.1	5.2 / 2.6	4.7 / 2.3	4.3 / 2.0	3.9 / 1.7
	1.2 mm	413	15.6 / 11.3	13.5 / 9.2	11.9 / 7.6	10.5 / 6.3	9.4 / 5.3	8.4 / 4.5	7.6 / 3.9	6.9 / 3.4	6.3 / 2.9	5.7 / 2.5
	1.5 mm	275	13.9*	12.1*	10.6*	9.4 / 8.9	8.4 / 7.5	7.5 / 6.4	6.8 / 5.5	6.2 / 4.7	5.6 / 4.1	5.1 / 3.6
Double	0.9 mm	413	16.7*	14.6*	12.8*	11.4*	10.2*	9.1*	8.3*	7.5*	6.8*	6.3*
	1.2 mm	413	34.9*	30.4*	26.8*	23.8*	21.3*	19.1*	17.3*	15.7*	14.3*	13.1*
	1.5 mm	275	14.6*	12.7*	11.2*	10*	8.9*	8.0*	7.2*	6.6*	6.0*	5.5*
Triple	0.9 mm	413	12.2*	11.4*	10.7*	10 / 9.2	8.9 / 7.7	8.0 / 6.6	7.2 / 5.6	6.6 / 4.9	6.0 / 4.2	5.5 / 3.7
	1.2 mm	413	20.6*	18.1*	15.9 / 15.5	14.1 / 12.9	12.6 / 10.9	11.3 / 9.2	10.3 / 7.9	9.3 / 6.8	8.5 / 5.9	7.8 / 5.2
	1.5 mm	275	18.1*	15.8*	13.9*	12.4*	11.1*	9.9*	9.0*	8.1*	7.4*	6.8*

NOTE: *Allowable Uniform Load shown only, L/240 Exceeds Allowable Load

Thickness	Weight (kg/m ²)	
	Painted	Galvanized
0.9 mm	12.2	12.2
1.2 mm	15.6	16.1
1.5 mm	20.0	20.5

