

max clear span for pedestrian loadings (mm)	def (mm)	L.B.B. size (mm)	'W' load bars at 41mm centres														Self Colour Weights per square metre (kgs)	Binding Bar Weight (based on 2 x 1m) (kgs)	
			clear span (mm)																
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100				
a. 848	4.2	25 x 3	kN/m ²	29.79	13.24	7.45	4.34											18.28	1.178
b. 716	3.6		D (mm)	0.66	1.48	2.63	3.75												
c. 598	2.6																		
a. 1122	5.6	30 x 3	kN/m ²	57.43	25.53	14.36	9.19	5.81	3.66									21.22	1.413
b. 946	4.7		D (mm)	0.55	1.23	2.20	3.43	4.50	5.25										
c. 827	4.1																		
a. 1396	7.0	35 x 3	kN/m ²	94.75	42.11	23.69	15.16	10.53	7.05	4.72	3.32							24.16	1.640
b. 1177	5.9		D (mm)	0.47	1.06	1.88	2.94	4.23	5.25	6.00	6.75								
c. 1028	5.1																		
a. 1669	8.3	40 x 3	kN/m ²	141.86	63.05	35.47	22.70	15.76	11.58	8.08	5.67	4.14	3.11					27.11	1.884
b. 1408	7.0		D (mm)	0.41	0.93	1.65	2.57	3.70	5.04	6.00	6.75	7.50	8.25						
c. 1230	6.2																		

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			clear span (mm)																
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100				
a. 1006	5.0	25 x 5	kN/m ²	49.65	22.07	12.41	7.24	4.19										27.18	1.963
b. 848	4.2		D (mm)	0.66	1.48	2.63	3.75	4.50											
c. 741	3.7																		
a. 1330	6.7	30 x 5	kN/m ²	95.72	42.54	23.93	15.32	9.69	6.10	4.09								32.08	2.355
b. 1122	5.6		D (mm)	0.55	1.23	2.20	3.43	4.50	5.25	6.00									
c. 980	4.9																		
a. 1655	8.3	35 x 5	kN/m ²	157.92	70.19	39.48	25.27	17.55	11.75	7.87	5.53	4.03	3.03					36.99	2.748
b. 1396	7.0		D (mm)	0.47	1.06	1.88	2.94	4.23	5.25	6.00	6.75	7.50	8.25						
c. 1219	6.1																		
a. 1979	9.9	40 x 5	kN/m ²	236.44	105.08	59.11	37.83	26.27	19.30	13.46	9.46	6.89	5.18	3.99	3.14			41.89	3.140
b. 1669	8.3		D (mm)	0.41	0.93	1.65	2.57	3.70	5.04	6.00	6.75	7.50	8.25	9.00	9.75				
c. 1458	7.3																		
a. 2224	10.0	45 x 5	kN/m ²	331.40	147.29	82.85	53.02	36.82	27.05	20.71	14.91	10.87	8.17	6.29	4.95	3.77		46.80	3.533
b. 1943	9.7		D (mm)	0.37	0.82	1.46	2.29	3.29	4.48	5.85	6.75	7.50	8.25	9.00	9.75	10.0			
c. 1698	8.5																		
a. 2455	10.0	50 x 5	kN/m ²	442.87	196.83	110.72	70.86	49.21	36.15	27.68	21.87	16.14	12.13	9.34	7.35	5.60		51.71	3.925
b. 2161	10.0		D (mm)	0.33	0.74	1.32	2.06	2.96	4.03	5.27	6.67	7.50	8.25	9.00	9.75	10.0			
c. 1937	9.7																		

Safe uniformly distributed loads (U.D.L.) in kilonewtons per square metre on simply supported panels with deflections (δ) in mm. Based on a working stress of 180 N/mm². Loads shown in the white area have been reduced to keep the deflections within 1/200th of the clear span or 10mm whichever is the lesser.

a – Light Duty 3 kN/m² described as access limited to one person only

b – General Duty 5 kN/m² described as regular two way pedestrian traffic

c – Heavy Duty 7.5 kN/m² described as high density pedestrian traffic

Load Table Designs allow for a 1kN load over a 300mm x 300mm area in accordance with BS 4592-0:2006
Weights shown are for transverse bars at 100mm centres. For 50mm centres add 5.8kg per M²