



RIDGEWAY

Bearing bar dimensions (mm)	Max clear span for pedestrian loading categories	Deflection (mm) L/200	Load Table for "W", 41 pitch Flowforge / SafeGrid plain flooring. Design in accordance with BS 4592-0:2006+A1:2012													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					
20 x 3	489	2.14	kN/m ²	48.60	21.60													Limited by Stress Limited by deflection Limited by concentrated load	13.41	0.86
	489	2.14	D (mm)	0.50	1.66															
25 x 3	707	3.38	kN/m ²	76.20	33.80	18.90												16.16	1.08	
	707	3.38	D (mm)	0.40	0.90	2.05														
30 x 3	945	4.71	kN/m ²	109.80	48.70	27.30	17.40	12.05										18.91	1.30	
	945	4.71	D (mm)	0.33	0.75	1.33	2.34	4.07												
35 x 3	1187	5.91	kN/m ²	149.50	66.30	37.20	23.70	16.40	12.05									21.41	1.50	
	1187	5.91	D (mm)	0.29	0.64	1.14	1.78	2.56	4.08											
40 x 3	1450	7.23	kN/m ²	195.30	86.70	48.70	31.10	21.50	15.75	12.00	9.45							24.16	1.94	
	1450	7.23	D (mm)	0.25	0.56	1.00	1.56	2.24	3.04	4.09	5.83									

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			CLEAR SPAN (mm)																	
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100					
20 x 5	667	3.32	kN/m ²	81.30	36.00	20.20												Limited by Stress Limited by deflection Limited by concentrated load	21.41	1.50
	667	3.32	D (mm)	0.50	1.13	2.41														
25 x 5	928	4.63	kN/m ²	127.10	56.40	31.60	20.10	13.96										25.91	1.86	
	928	4.63	D (mm)	0.40	0.90	1.60	2.48	3.57												
30 x 5	1218	6.08	kN/m ²	183.10	81.20	45.60	29.10	20.10	14.70	11.20								30.66	2.24	
	1218	6.08	D (mm)	0.33	0.75	1.33	2.08	2.98	4.04	5.81										
35 x 5	1515	7.56	kN/m ²	249.20	110.60	62.10	39.60	27.40	20.10	15.30	12.05	9.70						35.41	2.60	
	1515	7.56	D (mm)	0.29	0.64	1.14	1.78	2.56	3.47	4.51	5.69	7.20								
40 x 5	1690	8.44	kN/m ²	325.60	144.50	81.10	51.80	35.90	26.30	20.00	15.80	12.70	10.45					39.91	2.98	
	1690	8.44	D (mm)	0.25	0.56	1.00	1.56	2.24	3.05	3.95	5.00	6.13	7.58							
45 x 5	1882	9.38	kN/m ²	412.10	183.00	102.80	65.60	45.50	33.30	25.40	20.00	16.15	13.30	11.10				44.66	3.36	
	1882	9.38	D (mm)	0.22	0.50	0.89	1.39	2.00	2.71	3.52	4.45	5.47	6.60	7.80						
50 x 5	2070	10.00	kN/m ²	508.90	225.90	126.90	81.10	56.20	41.20	31.40	24.80	20.00	16.45	13.75	11.70			49.16	3.72	
	2070	10.00	D (mm)	0.20	0.45	0.80	1.25	1.80	2.44	3.18	4.02	4.94	5.95	7.04	8.25					
60 x 5	2394	10.00	kN/m ²	732.90	325.50	182.90	116.90	81.00	59.40	45.40	35.80	28.90	23.80	19.90	16.90	14.50		58.66	4.48	
	2394	10.00	D (mm)	0.17	0.38	0.67	1.04	1.50	2.04	2.66	3.36	4.13	4.98	5.90	6.90	7.96				

Notes:-
 1. Deflection in the table above is limited to span/200 or 10mm, whichever is the lesser.
 2. It should be noted that the difference in level between a loaded and a neighbouring unloaded flooring shall not exceed 4mm. LK panel joint clips can be used to negate this issue.
 3. The above table is based upon the loadings as outlined in BS4592-0:2006+A1:2012. Load is based upon the UDL OR a 1.5kn point load over a 200mmx200mm contact area, whichever is the more onerous.