

safegrid – type NX plain



max clear span for pedestrian loadings (mm)	def (mm)	L.B.B. size (mm)	'NX' load bars at 20mm 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.1223	6.12	20 x 3	kNm ²	153	68.0	35.0	17.9	10.4	6.52	4.37									26.14	0.86
b.1145	5.69		D (mm)	0.82	1.84	3.00	3.75	4.50	5.25	6.00										
c.1000	4.96		kNm ²	239	107	59.5	34.9	20.2	12.8	8.54	5.99	4.37	3.28						32.15	1.08
a.1704	8.52	25 x 3	D (mm)	0.66	1.48	2.61	3.75	4.50	5.25	6.00	6.75	7.50	8.25							
b.1430	7.08		kNm ²	345	153	86.0	54.6	35.0	22.0	14.8	10.4	7.55	5.67	4.37					38.15	1.30
c.1250	6.20		D (mm)	0.55	1.23	2.18	3.39	4.50	5.25	6.00	6.75	7.50	8.25	9.00						
a.1884	9.42	30 x 3	kNm ²																	
b.1720	8.58		D (mm)																	
c.1485	7.41																			

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			clear span (mm)																	
			300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100					
a.1575	7.87	20 x 5	kNm ²	255	113	58.3	29.9	17.3	10.9	7.28	5.11	3.73							42.16	1.50
b.1360	6.79		D (mm)	0.82	1.84	3.00	3.75	4.50	5.25	6.00	6.75	7.50								
c.1185	5.87		kNm ²	399	177	99.4	58.3	33.7	21.2	14.2	9.99	7.28	5.47	4.21					52.16	1.86
a.1862	9.31	25 x 5	D (mm)	0.66	1.48	2.62	3.75	4.50	5.25	6.00	6.75	7.50	8.25	9.00						
b.1700	8.49		kNm ²	575	255	143	91.5	58.3	36.7	24.6	17.3	12.6	9.46	7.28	5.73	4.37			62.17	2.24
c.1485	7.41		D (mm)	0.55	1.23	2.18	3.41	4.50	5.25	6.00	6.75	7.50	8.25	9.00	9.75	10.0				
a.2175	10.0	30 x 5	kNm ²																	
b.2030	10.0		D (mm)																	
c.1780	8.86																			



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 2.4kg per M²