

SALES
TECHNICAL

01642 233299
01642 233297

SALES@LK-UK.COM
TECHNICAL@LK-UK.COM

WWW.LK-UK.COM

3mm UTILITY GRATING (MESH SIZE - 47/125)							
Bearing Bar Dimensions (mm)	Loading Category	Max Clear Span 4mm Deflection	Deflection (mm)	Max Clear Span L/200 or 10mm Max Deflection	Deflection (mm)	Self Colour Weights Per Square Metre (kgs)	Binding Bar Weight Based on 2x1m (kgs)
25 x 3	5kn/m2	775	3.69	775	3.69	15.20	1.18
	7.5kn/m2	775	3.69	775	3.69		
30 x 3	5kn/m2	965	3.98	1035	4.70	17.79	1.41
	7.5kn/m2	965	3.98	1035	4.70		
35 x 3	5kn/m2	1135	3.99	1255	5.05	20.38	1.65
	7.5kn/m2	1125	3.99	1255	6.17		
40 x 3	5kn/m2	1305	3.98	1495	5.46	22.97	1.88
	7.5kn/m2	1245	3.98	1440	7.12		

5mm UTILITY GRATING (MESH SIZE - 47/125)							
Bearing Bar Dimensions (mm)	Loading Category	Max Clear Span 4mm Deflection	Deflection (mm)	Max Clear Span L/200 or 10mm Max Deflection	Deflection (mm)	Self Colour Weights Per Square Metre (kgs)	Binding Bar Weight Based on 2x1m (kgs)
25 x 5	5kn/m2	1050	3.98	1225	6.10	23.84	1.96
	7.5kn/m2	995	3.92	1075	5.34		
30 x 5	5kn/m2	1265	4.00	1470	7.29	28.16	2.36
	7.5kn/m2	1145	3.96	1290	6.38		
35 x 5	5kn/m2	1415	3.95	1715	8.52	32.47	2.75
	7.5kn/m2	1285	3.95	1510	7.53		
40 x 5	5kn/m2	1565	3.97	1960	9.77	36.79	3.14
	7.5kn/m2	1420	3.95	1725	8.59		
45 x 5	5kn/m2	1710	3.96	2155	9.98	41.11	3.53
	7.5kn/m2	1555	3.97	1955	9.91		
50 x 5	5kn/m2	1850	3.99	2325	9.97	45.43	3.93
	7.5kn/m2	1680	3.97	2115	9.97		
60 x 5	5kn/m2	2115	3.99	2660	9.98	54.06	4.71
	7.5kn/m2	1925	3.98	2420	9.95		

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. The below tables have both options listed.
3. The below tables are based upon BS4592-0:2006+A1:2012 & BS5950-1:2000 Table 2 Which is a 5kn/m2 or 7.5kn/m2 UDL OR a 1.5kn point load over a 200mmx200mm contact area, whichever is the more onerous.
4. The below tables take into consideration MINIMUM bearing bar rolling tolerances as defined by LKFS-STD-98
6. Material is BS EN 10025 Grade S275JR



PANEL JOINING CLIPS ARE REQUIRED IF L/200 OR 10MM DEFLECTION IS USED