



Load bearing Capacity for Shera Floor Board

1) UNIFORM DISTRIBUTED LOAD (Kg/m²) : LOAD BEARING CAPACITY

1.8.2013

Note : Safety Factor = 2.5

Frame Structure →	ONE-WAY Support : Stud Spacing			
Stud Spacing →	30 cm	40 cm	50 cm	60 cm
Board Thickness ↓	Allowable Uniform Load Kg/m ²			
18 mm	2,493	1,402	897	623
20 mm	3,078	1,731	1,108	769

Support Grid - Spacing in "cm"							
30 x 30	30 x 40	30 x 60	40 x 40	40 x 60	40 x 120	60 x 60	60 x 120
Allowable Uniform Load Kg/m ²							
3,560	2,695	2,446	2,003	1,516	1,369	890	611
4,395	3,327	3,020	2,472	1,872	1,690	1,099	755

2) CONCENTRATED LOAD (Kg/Grid) : LOAD BEARING CAPACITY

Frame Structure →	ONE-WAY Support : Stud Spacing			
Stud Spacing →	30 cm	40 cm	50 cm	60 cm
Board Thickness ↓	Allowable Concentrated Load Kg/Grid			
18 mm	448	336	269	224
20 mm	554	415	332	277

Board Size	Weight (Kg)
18 x 1200 x 2400 mm	
20 x 1220 x 2440 mm	

1. The Length direction of boards should be perpendicular to the long spacing direction of Frames (as shown in the picture)
2. A composite Structural Floor should be designed by an authorised Structural Engineer by the local building codes.

