



# Load bearing Capacity for Shera Board

## 1) UNIFORM DISTRIBUTED LOAD (Kg/m<sup>2</sup>) : LOAD BEARING CAPACITY

Note : Safety Factor = 2.5

Frame Structure →	ONE-WAY Support : Stud Spacing					
Stud Spacing →	30 cm	40 cm	50 cm	60 cm	80 cm	100 cm
<b>Board Thickness ↓</b>	<b>Allowable Uniform Load Kg/m<sup>2</sup></b>					
(Weight Kg/m <sup>2</sup> )						
15 mm (	1,731	974	623	432	243	155
18 mm	2,493	1,402	897	623	350	224
20 mm	3,078	1,731	1,108	769	432	277

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	80 x 120
cm	cm	cm	cm	cm	cm	cm	cm	cm
<b>Allowable Uniform Load Kg/m<sup>2</sup></b>								
2,472	1,872	1,699	1,391	1,053	951	618	425	263
3,560	2,695	2,446	2,003	1,516	1,369	890	611	379
4,395	3,327	3,020	2,472	1,872	1,690	1,099	755	468

Important Note : The Length direction of boards should be perpendicular to the long spacing direction of Frames (as shown in the picture here)

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

Note : Safety Factor = 2.5

Frame Structure →	ONE-WAY Support : Stud Spacing					
Stud Spacing →	30 cm	40 cm	50 cm	60 cm	80 cm	100 cm
<b>Board Thickness ↓</b>	<b>Allowable Concentrated Load Kg/Grid</b>					
15 mm	311	233	187	155	116	93
18 mm	448	336	269	224	168	134
20 mm	554	415	332	277	207	166

Board Size	Weight (Kg)
15 x 1200 x 2400 mm	63.85
15 x 1220 x 2440 mm	66.75
18 x 1200 x 2400 mm	76.60
18 x 1220 x 2440 mm	79.20
20 x 1200 x 2400 mm	85.10
20 x 1220 x 2440 mm	88.50

