

Diamond Glass Glass Flooring Technical Data Sheet

Table 1 – Maximum Applied Loadings 34mm

Application	Concentrated Load (kN)	Uniform Distributed Load (kN/M2)
Domestic	1.4	1.5
Dance Floor	3.6	5.0
Commercial	4.5	5.0

A table of generically applied loads is shown below. The relevant loads applied will determine the construction and the unsupported span of each floor panel.

Table 2 - Span loadings for 34mm

Span	Safe Load Short (kN/m2)	Safe Load Medium (kN/m2)	Safe Load Long (kN/m2)	Deflection (mm)	Safe Load with one leaf broken (kN/M2)
600	88	66	44	1.0	22
900	40	29	19	2.0	14
1200	22	16	11	3.6	5
1500	14	10	7	5.6	3

The above test data can be applied to two edge supported applications, however, we strongly recommend that all applications are four edge supported. Two edge supported systems are available on application.

The strength of the supporting structure is essential to ensure the integrity of the finished structure. The deflection of the support should be less than the allowable deflection of the finished glass system i.e. not exceed $L/125$. It is essential that the floor panels rest on a perimeter platform not less than 30mm wide and glass to steel contact is avoided using a range of appropriate gaskets and sealants.

