

Maximum sizes for glass infill panes for post-and-rail barriers in schools

To resist barrier infill loads applied to the glass of 1.5 kN/m^2 uniformly distributed load and 1.5 kN concentrated load.

Height, H, of infill pane mm	Maximum spacing, L, of posts to which the glass infill panes are fixed mm							
	Heat soaked toughened glass to BS EN 14179				Laminated toughened glass to BS EN 14449			
	10 mm	12 mm	15 mm	19 mm	13.5 mm	17.5 mm	21.5 mm	25.5 mm
300	590	939	1524	2083	522	1059	1747	2106
400	786	1252	1790	2283	695	1412	1913	2307
500	983	1518	1917	2449	869	1624	2050	2475
600	1179	1602	2026	2592	1043	1715	2168	2620
700	1375	1674	2122	2675	1217	1794	2271	2696
800	1424	1739	2208	2675	1361	1864	2352	2696
900	1468	1796	2241	2675	1402	1927	2352	2696
1000	1507	1848	2241	2675	1438	1983	2352	2696
1100	1542	1895	2241	2675	1470	1989	2352	2696
1200	1572	1895	2241	2675	1498	1989	2352	2696

Interpolation can be used for different heights, H, of pane.

These dimensions are applicable for infill panes fixed using:

- suitable bolt fixings spaced at not more than 600 mm centres, at least two fixings on each vertical edge,
- suitable clip fixings spaced at not more than 600 mm centres, at least two fixings on each vertical edge, and
- suitable continuous channel on the vertical edges.

The infill panel can project up to 100 mm above the handrail provided the handrail is in front of the glass with a gap of at least 50 mm between the rail and the glass.

