

Wind Load Test Results

The table below summarises the test results obtained. The estimates of ultimate loads, which are based on the assumption that ultimate loads are reached when the maximum principal stress reach the ultimate stress of the polycarbonate sheet (60 Mpa), are included in the table. Plots of the maximum principal stress v's load for each of the profiles tested follow the table.

Makrolon Multiwall Sheet	End span (mm)	Internal span (mm)	Factored Ultimate Load (kPa) From Testing	Failure Load (kPa) From Testing	Failure Load (kPa) From Analysis	Wind Category Rating
Multiwall Sheet 8mm Standard Installation	Width 700	N/A	0.31	0.56; 0.40; 0.45	0.55	N1
Multiwall Sheet 10mm Standard Installation	Width 980	N/A	0.30	0.40; 0.39; 0.40	0.45	N1
Multiwall Sheet 8mm High Wind* Installation	Width 700	1200	2.50	3.5; 3.5; 3.25	N/A	N2, N3 N4, N5
Multiwall Sheet 10mm High Wind* Installation	Width 980	1200	2.12	2.75; 3.25; 3.1	N/A	N2, N3 N4, N5

*To achieve these results special High Wind installation instructions for Makrolon[®] Multiwall must be followed.