



## Wind & Water Charts

Relationship Between Wind Velocity and Static Pressure

This information is to be used as a general guide in product selection based on the design performance wind load for your project supplied by your Architect / Engineer.

Upon request, MWC can supply structural test results for each of our products.

<b>Wind Velocity</b> <i>Miles per Hour</i> (MPH)	<b>Pressure</b> <i>Lbs. per Ft<sup>2</sup></i> (PSF)	<b>Pressure</b> <i>Inches of Water</i>
5	0.06	0.01
10	0.26	0.05
15	0.58	0.11
20	1.02	0.20
25	1.60	0.31
30	2.30	0.44
35	3.14	0.60
40	4.10	0.79
45	5.18	1.00
50	6.40	1.23
55	7.74	1.49
60	9.22	1.77
65	10.82	2.08
70	12.54	2.41
75	14.40	2.76
80	16.38	3.15
85	18.50	3.55
90	20.74	3.98
95	23.10	4.44
100	25.60	4.92
105	28.22	5.42
110	30.98	5.95
115	33.86	6.50
120	36.86	7.08
125	40.00	7.68
130	43.26	8.31
140	50.18	9.63
150	57.60	11.06
160	65.54	12.58
170	73.98	14.20
180	82.94	15.93
190	92.42	17.74
200	102.40	19.66

Conversions: PSF = 0.00256 (MPH)<sup>2</sup>    Inches of H<sub>2</sub>O = 0.192227 (PSF)    Reference ASCE 7-88