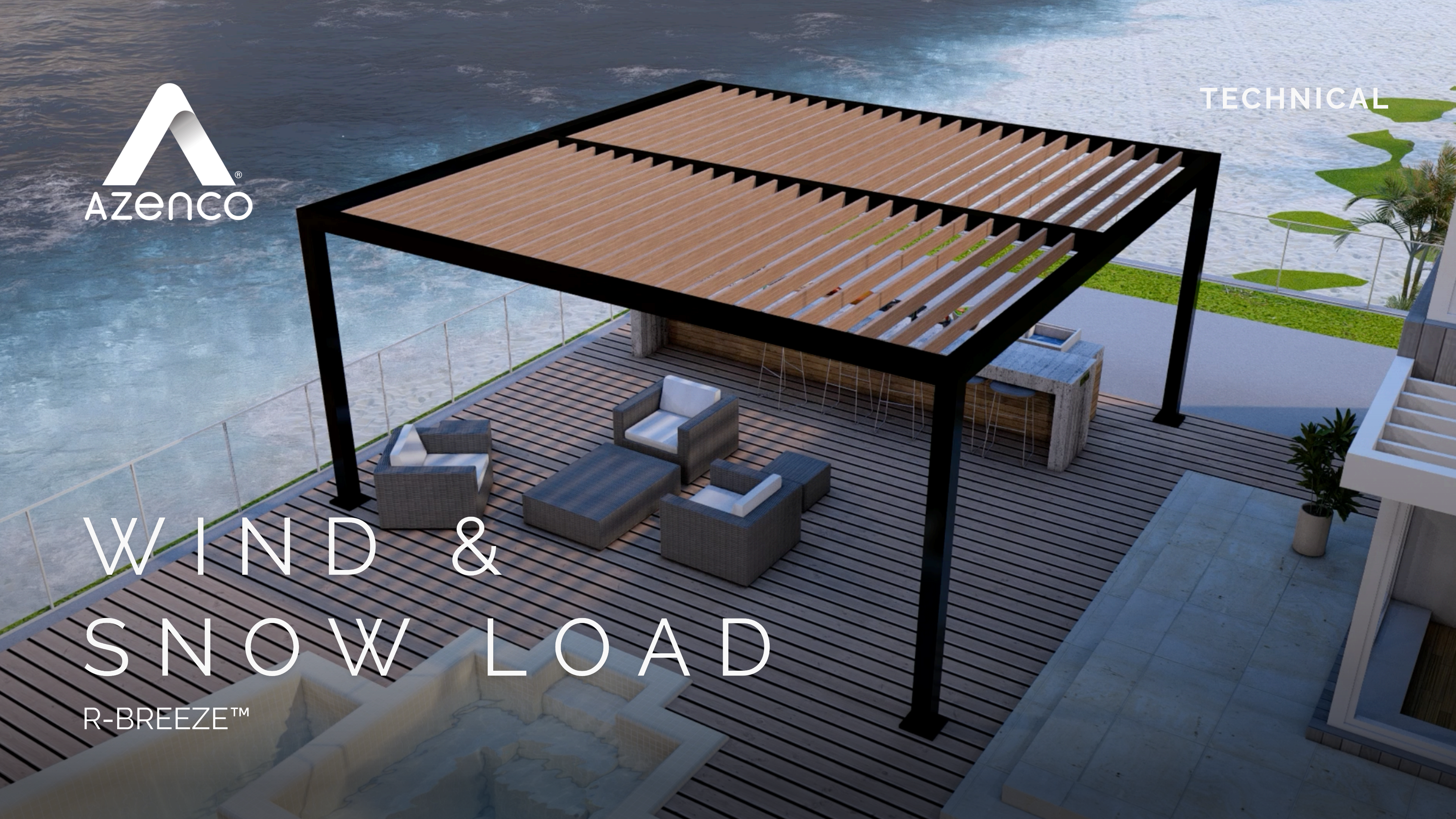




TECHNICAL

# WIND & SNOW LOAD

R-BREEZE™



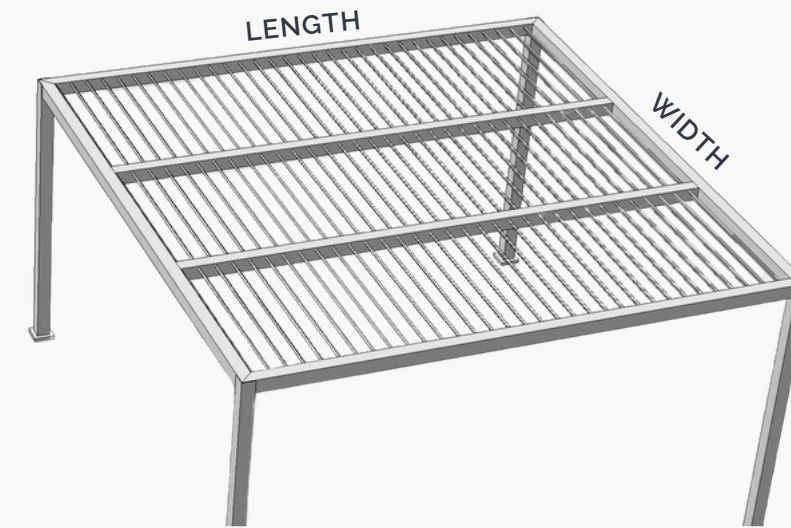
# WIND LOAD



The number on the R-BREEZE™ table depicts the wind speed in miles per hour based on the geographical location of the project. The letter associated with the number represents the “Wind Exposure Factor” per ASCE standards.

The wind exposure factor is a classification that is also based on geographical location. Exposure category “B” refers to projects located in suburban neighborhoods and cities, exposure category “D” refers to projects located on the water, and exposure category “C” refers to all other locations where projects may be built.

# WIND LOAD



LENGTH	WIDTH (SLAT ORIENTATION)													
FT	4' to 10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'
4' to 11'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175D	175D	175D
12'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175D	175D	175C/160D
13'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175D	175C/165D	160C/150D
14'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	170C/160D	175C/165D	160C/150D	145C/130D
15'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175C/165D	160C/150D	165C/150D	150C/140D	135C/125D
16'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	165C/155D	150C/140D	155C/145D	135C/130D	120C/115D
17'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175C/165D	155C/145D	140C/130D	140C/135D	125C/120D	110C/105D
18'	175 D	175 D	175 D	175 D	175 D	175 D	175 D	175 D	165C/155D	145C/140D	130C/120D	135C/125D	115C/110D	100C/95D
19'	175 D	175 D	175 D	175 D	175 D	175 D	175C/170D	175C/160D	155C/145D	135C/130D	120C/110D	125C/115D	105C/100D	95B
20'	175 D	175 D	175 D	175 D	175 D	175C/165D	165C/155D	155C/145D	145C/135D	130C/120D	110C/100D	115C/105D	95B	
21'	175 D	175 D	175 D	175 D	170C/160D	160C/150D	150C/140D	140C/130D	130C/120D	120C/110D	95B/100C	105C/100D	95B	
22'	175 D	175 D	175C/170D	170C/160D	155C/145D	145C/135D	135C/125D	120C/115D	110C/105D	95B	95B	95B		
23'	175 D	175 D	170C/160D	155C/145D	140C/130D	130C/120D	115C/110D	105C/100D	95B					

NO SUPPORT BEAM

1 SUPPORT BEAM

2 SUPPORT BEAMS

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# SNOW LOAD (IN PSF)



LENGTH	WIDTH (SLAT ORIENTATION)																			
FT	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'
4'	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	90	80	85	75	70
5'	100	100	100	100	100	100	100	100	100	100	100	100	100	90	80	70	65	65	60	55
6'	100	100	100	100	100	100	100	100	100	100	100	100	85	75	65	60	50	55	50	45
7'	100	100	100	100	100	100	100	100	100	100	95	85	70	65	55	50	45	45	40	35
8'	100	100	100	100	100	100	100	100	100	100	85	70	60	55	45	40	35	40	35	30
9'	100	100	100	100	100	100	100	100	100	85	75	65	55	45	40	40	30	35	30	25
10'	100	100	100	100	100	100	100	100	90	75	65	55	50	40	35	30	30	30	25	25
11'	100	100	100	100	100	100	100	100	85	70	60	50	45	35	30	30	25	25	25	15
12'	100	100	100	100	100	100	90	90	75	65	55	45	40	35	30	25	15	25	15	10
13'	100	100	100	100	95	85	75	75	70	60	50	40	35	30	25	25	15	15	10	10
14'	100	100	100	95	85	75	65	65	60	55	45	40	30	30	25	15	10	15	10	5
15'	100	100	100	85	70	65	55	55	50	45	40	35	30	25	15	15	10	10	10	5
16'	100	100	85	70	60	55	50	50	45	40	35	30	25	25	15	10	10	10	5	5
17'	100	90	75	65	55	45	40	40	35	35	30	30	25	15	15	10	5	5	5	N/A
18'	100	80	65	55	50	40	35	35	35	30	25	25	25	15	10	10	5	5	5	N/A
19'	90	70	60	50	40	35	30	30	30	25	25	15	15	10	10	5	5	5	N/A	N/A
20'	80	65	50	45	35	30	30	30	25	25	15	15	10	10	10	5	N/A	5	N/A	N/A
21'	75	60	45	40	35	30	25	25	15	15	10	10	10	5	5	5	N/A	N/A	N/A	N/A
22'	65	50	40	35	30	25	15	15	15	10	10	5	5	5	N/A	N/A	N/A	N/A	N/A	N/A
23'	60	45	35	30	25	15	15	15	10	10	5	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NO SUPPORT BEAM

1 SUPPORT BEAM

2 SUPPORT BEAMS

NOT APPROVED FOR MIAMI-DADE



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