



BORAL
WINDOWS

KRESTMARK® COLLECTION

AAMA PERFORMANCE DATA

All Single Hung windows are tested as equal sash. Note: All picture windows, shapes and one-frame glass larger than 30 sq. ft. will come with Tempered Glass as standard for safety reasons. All additional charges for Tempered Glass will automatically be applied.

SERIES	TEST SIZE	TEST RATING
100 S.H.	4070	R30
	4060	R40
	3860	R50
	4050	R50
	3070	R50
101 P.W.	6070 Tempered	R50
125 S.H.	4060	R30
125 H.S.	6040	R30
150 H.S.	6040	R30
150 H.S.	6038	R50
150 H.S. Finless	6038	R50
150 P.W.S.	7040	R30
175 S.H.	4060	R40
175 S.H.	3860	R50
175 Twin Single Hung	6060	R50
175 Triple Single Hung	9060	R50
100 Single Hung Twin/Stack	7490	R50
200/275 S.H.	4080	R30
	4070 W/50 Sash	R35
	4060	R45
	4050	R50
	3860	R50
	3070	R40
220 Single Hung	4060	R45
220 Single Hung	3860 (44"x96")	R50
220 Single Hung	3070	R50
220 Twin Single Hung CHS	3060 Twin (71" x 72")	R50
200/275 Twin SH CHS	3860 (87" x 72")	R40
200/275 Twin SH CHS	3070 (71" x 84")	R35
200/275 Twin SH CHS	3060 (71" x 72")	R50
200/275 Twin PW CHS	3060 Twin (71" x 72")	R50
200/275 Triple PW CHS	3870 Triple (132" x 84")	R40
200/275 Twin Fixed Window W/2 0 Stack	3470 Twin Stack	R30
200/275 Fixed Window W/ 3860SH Stack	3820 W/3860 SH Stack (44" x 96")	R35

SERIES	TEST SIZE	TEST RATING
220 Twin Fixed Window W/2 0 Stack	3470 Twin Stack	R30
200/275 Horizontal Slider	6040	R35
200/275 Horizontal Slider	6038	R45
250 Casement (Fin)	3060	R60
250 Casement (Finless)	3060	R60
250 Awning (Fin)	4028	R50
250 Awning (Finless)	4028	R50
400 Single Hung	4070	R35
	4060	R50
	3470	R40
	3070	R50
420 Single Hung	4060	R50
400 Twin Single Hung CHS	3460 Twin (80" x 72")	R25
400 Twin Single Hung CHS	3060 Twin (72" x 72")	R50
400 Twin Single Hung CHS	3070 Twin (72" x 84")	R40
400 Triple Single Hung CHS	3060 Triple (108" x 72")	R40
400 Triple Single Hung CHS Equal Sash	3060 Triple (108" x 72")	R35
400 SH 4060 W/2 0 Stack	4080	R50
400 PW	6060	R60
	4070	R65
	6070 (Tempered)	R50
400 Twin PW	3870 Twin (88" x 84")	R50
400 Triple PW	3070 Triple (108" x 84")	R30
400 PW W/ 2 0 Stack	6080	R40
400 Twin PW W/2 0 Stack	(80" x 108")	R35
400 Horizontal Slider	6050	R30
	6040	R45
	6038	R50
400 Horizontal Slider (PWS)	9060	R15
200/275 Triple PW CHS	3870 Triple (132" x 84")	R40
200/275 Twin Fixed Window W/2 0 Stack	3470 Twin Stack	R30
200/275 Fixed Window W/ 3860SH Stack	3820 W/3860 SH Stack (44" x 96")	R35

SERIES	TEST SIZE	TEST RATING
4000 Single Hung (Impact Series)	4060	R50
	3860	R55
	3070	R50
	3060	R60
4000 Single Hung Finless (Impact Series)	4060	R50
4000 Twin Single Hung (Impact Series)	6860	R50
4000 Twin Single Hung Stack (Impact Series)	6090	R50
4000 PW (Impact Series)	4070	R50
	7040	R50
	4060	R60
	6040	R60
4000 Horizontal Slider (Impact Series)	6038	R50



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INDUSTRY STANDARD TABLE OF EQUIVALENT WIND VELOCITIES

PERFORMANCE CLASS Product performance class codes and minimum performance for window	Residential (R)											
	Light Commercial (LC)											
	Commercial (C)											
DESIGN PRESSURE RATINGS (DP RATING) The Design Pressure (DP) is the pressure measured in Pounds per Square Foot (PSF) that a building or building component should be designed to accommodate without failure.	15	20	25	30	35	40	45	50	55	60	65	70
STRUCTURAL TEST PRESSURE IN PSF Structural Test Pressure = 1.5 x Design Pressure (DP Rating). The higher the number, the greater the amount of wind the window can sustain. This number varies with window size; be sure comparisons are with same size windows.	22.5	30	37.5	45	53.5	60	67.5	75	82.5	90	97.5	105
EQUIVALENT WIND VELOCITY IN MPH	77	88	99	108	117	125	133	140	147	153	159	165
WATER TEST PRESSURE IN PSF Water test pressure measures the windows ability to resist water penetration under specific pressure. Water test pressure = 15% of Design Pressure (DP Rating). The greater the rating, the greater the ability of the window to resist water penetration	2.86	3	3.75	4.5	5.25	6	6.75	7.5	8.25	9	9.75	10.5