



# Windsor Windows and Doors

## Impact Product Performance

Series	Window Type	FL#	WZ3	WZ4	HVHZ	Tested Frm Width (in)	Tested Frm Height (in)	PG Rating	+DP (psf)	-DP (psf)	+STP (psf)	-STP (psf)	Water (psf)	V <sub>asd</sub> (MPH)	V <sub>ult</sub> (MPH)
Pinnacle Clad Impact	Zero Mull	21905	Y	N	N	Refer to Structural Design Pressure Charts									
	Spread Mullions 1" - 4"		Y	N	N										
	Awning Crank-Out	13642	Y	N	N	48	36	R-PG50-AP	50	50	75	75	7.50	140	180
	Casement Fixed	13643	Y	Y	N	48	72	R-PG65-FW	65	65	97.5	97.5	9.75	159	206
	Casement Crank-Out	11619	Y	Y	N	30	72	R-PG65-FW	65	65	97.5	97.5	9.75	159	206
			Y	N	N	36	72	LC-PG50-C	50	50	75	75	7.50	140	180
			Y	N	N	36	72	LC-PG50-C	50	50	75	75	7.50	140	180
	Direct Set (Standard)	11570	Y	Y	Y	60	120	CW-PG65-FW	65	65	97.5	97.5	9.75	159	206
	Direct Set (Low Profile)		Y	Y	Y	60	120	CW-PG65-FW	65	65	97.5	97.5	9.75	159	206
	Door Transom	11482	Y	Y	Y	72	24	R-PG50-TR	50	65	75	97.5	7.50	140	180
	Double Hung	11092	Y	N	N	37.375	76.75	LC-PG50-H	50	50	75	75	7.50	140	180
			Y*	Y*	Y*	41.375	88.75	LC-PG50-H	50	65	75	97.5	7.50	140	180
	Double Hung Picture	12385	Y	Y	Y	49.375	96.75	CW-PG50-FW	50	65	75	97.5	7.50	140	180
			Y	Y	Y	73.375	76.75	CW-PG50-FW	50	65	75	97.5	7.50	140	180
	Inswing Door (Single Swing)	11573	Y	N	N	75.063	95.375	R-PG50-SHD	50	50	75	75	7.50	140	180
	Inswing Door (Bihinge)		Y	N	N	75.063	95.375	R-PG40-SHD	50	50	75	75	6.00	140	180
	Outswing Door (Single Swing)	11517	Y	N	N	75.063	94.875	R-PG50-SHD	50	50	75	75	7.50	140	180
	Outswing Door (Bihinge)		Y	N	N	75.063	94.875	R-PG50-SHD	50	50	75	75	7.50	140	180
	Outswing Door (Single Swing)		Y	Y*	Y*	75.063	98.5	R-PG50-SHD	50	65	75	97.5	7.50	140	180
	Outswing Door (Bihinge)		Y	Y*	Y*	75.063	98.5	R-PG50-SHD	50	65	75	97.5	7.50	140	180
Sliding Door (2 Panel)	11571	Y	N	N	95.5	98.5	R-PG50-SD	50	50	75	75	7.50	140	180	
Sliding Door (4 Panel)		Y	N	N	188.563	98.5	R-PG50-SD	50	50	75	75	7.50	140	180	
Pinnacle Select Impact	Zero Mull	21905	Y	Y	N	Refer to Structural Design Pressure Charts									
	Spread Mullions 1" - 4"		Y	Y	Y										
	Awning Push-Out	15134	Y	Y	Y	60	48	LC-PG65-AW	65	65	97.5	97.5	9.75	159	206
	Awning Crank-Out		Y	Y	Y	60	48	LC-PG65-AW	65	65	97.5	97.5	9.75	159	206
	Casement Fixed	14887	Y	Y	Y	48	96	LC-PG65-FW	65	65	97.5	97.5	9.75	159	206
			Y	Y	Y	72	72	LC-PG65-FW	65	65	97.5	97.5	9.75	159	206
	Casement Push-Out	14858	Y	Y	N	36	84	LC-PG50-C	50	50	75	75	7.50	140	180
			Y*	Y*	Y*	36	84	CW-PG65-C	65	65	97.5	97.5	9.75	159	206
	Casement Crank-Out	14858	Y	Y	Y	36	72	LC-PG65-C	65	65	97.5	97.5	9.75	159	206
			Y	Y*	N	36	84	LC-PG50-C	50	50	75	75	7.50	140	180
Y*			Y*	Y*	36	84	CW-PG65-C	65	65	97.5	97.5	9.75	159	206	

\* Requires HVHZ Upgrade

DP = Design Pressure

STP = Structural Test Pressure

V<sub>asd</sub> = Nominal Design Wind Speed

V<sub>ult</sub> = Ultimate Design Wind Speed

Impact Products are approved to be installed with the following installation methods: Rigid Nailfin, Installation Clips, or Through Frame

Supplemental Impact Installation Anchoring Instructions can be found at [www.windsorwindows.com](http://www.windsorwindows.com)