

Synergy Series

Type	Size (RO)	Test	Air Infiltration at 25 mph	Water Resistance	Structural Test	Rating
Slider	108 x 60	AAMA/CSA 101/I.S.2/A440-05	.09 CFM/FT ²	5.25 psf (45.8 mph)	52.5 psf (145 mph)	HS-C35
Single Hung	44 x 60	AAMA/CSA 101/I.S.2/A440-05	.12 CFM/FT ²	4.5 psf (42.4 mph)	45 psf (134 mph)	H-R60
Single Hung	44 x 77	AAMA/CSA 101/I.S.2/A440-05	.16 CFM/FT ²	3.75 psf (52 mph)	30 psf (109.6 mph)	H-R20
Picture Window	80 x 78	AAMA/CSA 101/I.S.2/A440-05	.02 CFM/FT ²	6.75 psf (52 mph)	52.5 psf (145 mph)	FW-C35
Double Hung	44 x 60	AAMA/CSA 101/I.S.2/A440-05	.14 CFM/FT ²	4.5 psf (42.4 mph)	45 psf (134 mph)	H-R30
Double Hung	44 x 77	AAMA/CSA 101/I.S.2/A440-05	.26 CFM/FT ²	4.5 psf (42.4 mph)	30 psf (109.6 mph)	H-R20

Endurance Series

Type	Size (RO)	Test	Air Infiltration at 25 mph	Water Resistance	Structural Test	Rating
Casement	36 x 72	AAMA/CSA 101/I.S.2/A440-05	.19 CFM/FT ²	12 psf (69.3 mph)	82.5 psf (181.8 mph)	C-C55
Casement	108 x 84 (6 Panel)	AAMA/CSA 101/I.S.2/A440-05	.09 CFM/FT ²	12 psf (69.3 mph)	45 psf (134 mph)	C-C30

Bellevue Series

Type	Size (RO)	Test	Air Infiltration at 25 mph	Water Resistance	Structural Test	Rating
Narrow Slider	87 x 83	AAMA/CSA 101/I.S.2/A440-05	.08 CFM/FT ²	6.75 psf (52 mph)	37.5 psf (122.5 mph)	SD-LC25
Narrow Slider	96 x 96	AAMA/CSA 101/I.S.2/A440-05	.11 CFM/FT ²	5.25 psf (45.8 mph)	30 psf (109.6 mph)	SD-R20
French Stile Slider	96 x 96	AAMA/CSA 101/I.S.2/A440-05	.19 CFM/FT ²	3.75 psf (38.7 mph)	30 psf (109.6 mph)	SD-R20



The AAMA established standards for structural integrity, air infiltration, water infiltration resistance and forced entry resistance. Structural Integrity is the ability to withstand wind and other dynamic pressures. This is rated in design pressure (DP).

The higher a product's rating design pressure, the greater amount of wind or pressure the window will withstand.

Air Infiltration tests involve the equivalent of 25 mph winds. The lower the air infiltration rating the better.

Water infiltration tests a window's ability to resist water leakage through the window frame, sashes, joints, weather-stripping, etc. No leakage under this test criteria.

Forced Entry is tested by a certified lab technician using many different tools to simulate breaking into a home through the window. Next, windows and doors are subjected to hundreds of pounds of force to try to lift or push them open while in the locked position.