

# Madeira Product Series

## Air-Water-Structural Performance



Type	Size	Reinforcement Code	Air Infiltration	Operating Force	Water Penetration	Uniform Load	Overall Rating	Report Number
Double Hung	54 x 72	A2	0.20 scfm/ft <sup>2</sup>	25 lbf	4.50 psf	± 45.0 psf	H-R30	A8081.01
Picture Window	120 x 54	00	0.01 scfm/ft <sup>2</sup>	N/A	3.00 psf	± 30.0 psf	FW-R20	A8082.01
Picture Window	84 x 72	00	0.01 scfm/ft <sup>2</sup>	N/A	4.50 psf	± 45.0 psf	FW-R30	A8082.01
Picture Window	96 x 72	00	0.02 scfm/ft <sup>2</sup>	N/A	3.00 psf	± 30.0 psf	FW-R20	C7751.01
Picture Window T-Mull (Triple)	120 x 54	00	0.02 scfm/ft <sup>2</sup>	N/A	3.75 psf	± 37.5 psf	FW-R25	C6567.01
Picture Window T-Mull (Twin)	96 x 63	00	0.01 scfm/ft <sup>2</sup>	N/A	3.75 psf	± 37.5 psf	FW-R25	C6565.01
Single Hung	44 x 63	A1	0.14 scfm/ft <sup>2</sup>	22 lbf	3.75 psf	± 37.5 psf	H-R25	C9018.01
Single Hung	48 x 84	A2	0.09 scfm/ft <sup>2</sup>	22 lbf	3.75 psf	± 37.5 psf	H-R25	D2897.01
Single Hung	50 x 96	A2	0.09 scfm/ft <sup>2</sup>	28 lbf	3.75 psf	± 37.5 psf	H-R25	A8080.01
Single Hung T-Mull (Triple)	144 x 84	A2	0.18 scfm/ft <sup>2</sup>	28 lbf	3.00 psf	± 30.0 psf	H-R20	98388.01
Single Hung T-Mull (Triple)	144 x 84	A2	0.17 scfm/ft <sup>2</sup>	26 lbf	3.00 psf	± 30.0 psf	H-R20	D2910.01
Double Slider	72 x 63	A2	0.23 scfm/ft <sup>2</sup>	10 lbf	3.75 psf	± 37.5 psf	HS-R25	A8084.01
End Vent	144 x 66	A2	0.07 scfm/ft <sup>2</sup>	8 lbf	3.00 psf	± 30.0 psf	HS-R20	B2268.01
Endvent PXOX	120 x 86	A2	0.09 scfm/ft <sup>2</sup>	7 lbf	3.00 psf	± 30.0 psf	HS-R20	C2267.02
Endvent PXOX	87 x 86	A2	0.08 scfm/ft <sup>2</sup>	5 lbf	4.50 psf	± 45.0 psf	HS-R30	B0679.01
Slider	96 x 72	A2	0.09 scfm/ft <sup>2</sup>	18 lbf	3.75 psf	± 37.5 psf	HS-R25	A8083.01
Slider POX	84 x 96	A2	0.06 scfm/ft <sup>2</sup>	9 lbf	5.25 psf	± 45.0 psf	HS-R30	A8086.01
Contemporary Door	120 x 80	E5	0.17 scfm/ft <sup>2</sup>	8 lbf	3.00 psf	± 30.0 psf	SD-R20	D2900.01
Contemporary Door	144 x 96	E5	0.06 scfm/ft <sup>2</sup>	19 lbf	3.00 psf	± 30.0 psf	SD-R20	B7928.01
Contemporary Door	192 x 82	E5	0.24 scfm/ft <sup>2</sup>	19 lbf	3.00 psf	± 30.0 psf	SD-R20	B9705.01
Contemporary Door	72 x 80	E3	0.13 scfm/ft <sup>2</sup>	5 lbf	3.75 psf	± 37.5 psf	SD-R25	B7898.01
French Rail Door	144 x 96	E5	0.13 scfm/ft <sup>2</sup>	6 lbf	3.75 psf	± 37.5 psf	SD-R25	D4858.01
French Rail Door	144 x 96	E5	0.19 scfm/ft <sup>2</sup>	6 lbf	3.00 psf	± 30.0 psf	SD-R20	96039.01
French Rail Door	192 x 82	E5	0.15 scfm/ft <sup>2</sup>	11 lbf	3.00 psf	± 30.0 psf	SD-R20	B9703.01
French Rail Door	72 x 80	E2	0.13 scfm/ft <sup>2</sup>	4 lbf	3.75 psf	± 37.5 psf	SD-R25	B7915.01

### TEST REPORTS ARE AVAILABLE UPON REQUEST

All units tested in accordance with AAMA/WDA/CSA 101/I.S.2/A440-08, and include a welded corner test, for which all units either met or exceeded the standards, and a deglazing test, for which all units either met or exceeded the standards.

- 1) Sizes are certified up to and including the sizes listed.
- 2) Air infiltration is based upon static pressure of 1.57 psf (25 mph). Air infiltration shall not exceed 0.3 standard cubic feet per minute (scfm) per square foot.
- 3) Operating force listed is an average of the forces required to open and close the unit. The maximum allowable pound force is 30 lbf for vertical sliders and 20 lbf for horizontal sliders.
- 4) The minimum water resistance is 2.86 psf for an entry level R15 water rating, 3.75 psf for an entry level LC25 water rating, and 4.50 psf for an entry level C30 water rating.
- 5) The minimum structural test pressure is 22.5 psf for an entry level R15 structural rating, 37.5 psf for an entry level LC25 structural rating, and 45.0 psf for an entry level C30 structural rating.

### NOTES:

*SPECIAL MANUFACTURING REQUIREMENTS (FOR EXAMPLE: REINFORCEMENT STRENGTH, GLASS STRENGTH, ETC.) MAY BE NECESSARY TO MEET THE DESIGN PRESSURE LISTED.*

**PLEASE SPECIFY DESIGN PRESSURE REQUIRED WHERE APPLICABLE.**

PLEASE CONSULT YOUR SIMONTON REPRESENTATIVE FOR AVAILABILITY OF SIZES. FACTORS SUCH AS HARDWARE RELIABILITY, SHIPPING, CONSISTENCY IN OPERATING FORCE AND SECURING THE UNIT PROPERLY MAY LIMIT THE UNIT SIZE.