



Zenith Grandline and Narrowline

Air, Water and Structural Performance

Alpen's fiberglass doors are tested to national AAMA standards (AAMA/WDMA/CSA 101/I.S.2/A440-22) using independent labs to validate performance against wind pressure, water leaks, and air drafts.

GRANDLINE - XO			Performance Grade (Test size)	Performance Grade (Test size)
Performance Grade (PG)	CW-PG 40	(95.25" x 95.25")		
Design Pressure	60.15	psf		
Structural Test Pressure	90.23	psf		
Air Infiltration @ 1.57	0.16	cfm/ft ²		
Water Penetration Resistance Test Pressure	6.06	psf		
Forced Entry Resistance (ASTM F-588)	Grade 10			

GRANDLINE - OXXO			Performance Grade (Test size)	Performance Grade (Test size)
Performance Grade (PG)	CW-PG 30	(192" x 96")	CW-PG 15	(192" x 108")
Design Pressure	30.08	psf	15.04	psf
Structural Test Pressure	45.11	psf	22.56	psf
Air Infiltration @ 1.57	0.13	cfm/ft ²	0.21	cfm/ft ²
Water Penetration Resistance Test Pressure	6.06	psf	4.60	psf
Forced Entry Resistance (ASTM F-588)	Grade 10		Grade 10	

NARROWLINE - XO			Performance Grade (Test size)	Performance Grade (Test size)
Performance Grade (PG)	CW - PG 40	(95.25" x 83.25")		
Design Pressure	+60.15/ -50.13	psf		
Structural Test Pressure	+90.23/ -75.19	psf		
Air Infiltration @ 1.57	0.16	cfm/ft ²		
Water Penetration Resistance Test Pressure	6.06	psf		
Forced Entry Resistance (ASTM F-588)	Grade 10			

NARROWLINE - OXXO			Performance Grade (Test size)	Performance Grade (Test size)
Performance Grade (PG)	CW - PG 40	(144" x 96")		
Design Pressure	40.10	psf		
Structural Test Pressure	60.15	psf		
Air Infiltration @ 1.57	0.13	cfm/ft ²		
Water Penetration Resistance Test Pressure	6.06	psf		
Forced Entry Resistance (ASTM F-588)	Grade 10			