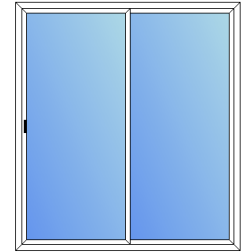




Test Report Specifications

Grand Vista Sliding Patio Door



**ANSI/AAMA/NWDA 101/I.S.2/
Report # 57345.06-122-44
NAMI CERTIFICATION# NI006738A**

Summary of Results

Title	Specimen 1
ANSI/AAMA/NWDA 101/I.S.2-97	192 x 96 - SD
Design Pressure	SGD C50
Operating Force	24 lbf
Air Infiltration	0.16 cfm/ft ²
Water Resistance Pressure	7.5 psf
Uniform Load Deflection Test Pressure	± 50.00 psf
Uniform Load Structural Test Pressure	± 75.00 psf
Forced Entry Resistance	Grade 25

NFRC 100/200/500 Report # D1102.02-116-45

Base Unit Validated 78.625 x 78.75	
Simulated Thermal Transmittance (U-Factor)	0.31
Glazing Layer 1	DS Cardinal LoE 366 (e=0.022,#2)
Gap 1	0.75+Gap, Stainless Steel Spacer (SSs-D) . 90% Argon Filled
Glazing Layer 2	DS Clear

Specific Thermal Results

Spacer Type	Super Spacer				Specifically for the Northern Climate Zone	
	E-Max* (Low-e ²) w/Argon		Advanced E-Max (Low-e ³) w/Argon		Advanced E-Max & I 89 w/Argon	
	No Grids	w/ Grids	No Grids	w/ Grids	No Grids	w/ Grids
U-Factor	0.31	0.31	0.30	0.30	0.24	0.24
SHGC	0.25	0.22	0.19	0.17	0.19	0.17
VT	0.48	0.41	0.44	0.38	0.44	0.40
CR	55	55	56	56	49	49