

# Test Results

## Gliding Patio Doors

### AAMA Test Results

Product specification	Design Pressure Rating	Performance Pressure (psf)	Water Resistance (psf)	Air Infiltration (scfm/ft <sup>2</sup> )	AAMA 101 Standard	F.B.C. & T.D.I. Approval No.
6068, 60611, LS/SR (XO/OX)	DP 50	+75/-75	7.5	0.26	SGD-R50 141"X83"	DR-134 FL10181.1 (v. 2007)
9068, 90611, SSR/LSS (OOX/XOO)	DP 50	+75/-75	7.5	0.26		
120611, SPLS (OXXO)	DP 50	+75/-75	7.5	0.26		
6080, LS/SR (XO/OX)	DP 50	+75/-75	7.5	0.18	SGD-R50 72"X96"	FL10181.1 (v. 2007)
9080, SSR/LSS (OOX/XOO)	DP 50	+75/-75	7.5	0.10	SGD-R50 141"X96"	
12080, SPLS (OXXO)	DP 50	+75/-75	7.5	0.10	SGD-R50 141"X96"	
80611, 8080, LS/SR (XO/OX)	DP 50	+75/-75	7.5	0.23	SGD-C50 145"X96"	
12080, SRR/LSS (OOX/XOO)	DP 50	+75/-75	7.5	0.23	SGD-C50 145"X96"	

\*\*For Florida Building Code Approval, please see [http://www.floridabuilding.org/pr/pr\\_app\\_srch.aspx](http://www.floridabuilding.org/pr/pr_app_srch.aspx). For Texas Department of Insurance Approval, see <http://www.tdi.state.tx.us/wind/prod/indexdr.html>. For Dade County Approval, see [http://www.co.miami-dade.fl.us/buildingcode/pc-search\\_app.asp](http://www.co.miami-dade.fl.us/buildingcode/pc-search_app.asp).

### Energy Performance Rating

Product Description	U-Factor (BTU/hrft <sup>2</sup> °F)	Solar Heat Gain Coefficient	Visible Light Transmittance
2 / SS / 0.042 / ARG / 0.389 / N	0.30	0.32	0.45
2 / SS / 0.042 / ARG / 0.389 / G	0.34	0.28	0.39
2 / SS / 0.042 / ARG / 0.567 / N	0.29	0.29	0.44
2 / SS / 0.042 / ARG / 0.567 / G	0.29	0.26	0.38



Product Description: 1. # glazing layers / spacer type / low-e emissivity (surface) / gap fil / gap width / grilles 2. SS = stainless steel, ARG = argon, N=no grille, G= with grille

## Transom Test Results

### AAMA Test Results

Product specification	Design Pressure Rating	Performance Pressure (psf)	Water Resistance (psf)	Air Infiltration (scfm/ft <sup>2</sup> )	AAMA 101 Standard	Using	Certification
GTI 6020	DP 80	+120/-120	12.0	0.01	TR-LC80 71-1/4"X24"	Inswing	FL10185.1 (v. 2007)
GTI 12020 (with mullion)	DP 75	+120/-120	11.25	0.01	TR-R75 145-3/8"X24"	Outswing	
GTO 6020	DP 80	+120/-120	12.0	0.01	TR-LC80 71-1/4"X24"		
GTO 12020 (with mullion)	DP 75	+120/-120	11.25	0.01	TR-R75 145-3/8"X24"	Gliding	
GTG 6020	DP 80	+120/-120	12.0	0.01	TR-LC80 71-1/4"X24"		
GTG 12020 (with mullion)	DP 75	+120/-120	11.25	0.01	TR-R75 145-3/8"X24"		

Product Description:  
1. # glazing layers / spacer type / low-e emissivity (surface) / gap fil / gap width / grilles  
2. SS = stainless steel, ARG = argon, N=no grille, G= with grille

## Neuma Classic Patio Doors

### Energy Performance Rating

Product Description	U-Factor (BTU/hrft <sup>2</sup> °F)	Solar Heat Gain Coefficient	Visible Light Transmittance
2/SS/0.042/ARG/0.389/N	0.32	0.28	0.40
2/SS/0.042/ARG/0.389/G	0.36	0.24	0.34
2/SS/0.042/ARG/0.567/N	0.31	0.26	0.39
2/SS/0.042/ARG/0.567/G	0.31	0.23	0.33

### AAMA Test Results

Product specification	Design Pressure Rating	Performance Pressure (psf)	Water Resistance (psf)	Air Infiltration (scfm/ft <sup>2</sup> )	AAMA 101 Standard	Certification
Double Hinged Inswing	DP35	+60.0/-75.0	5.25	0.18	HGD-R35 71-1/4"X82-1/2"	FL12890.1 FL12890.2
Double Hinged Outswing	DP30	+75.0/-45.0	7.5	0.03	HGD-R30 71-1/4"X82-1/2"	
Center Hinged Inswing	DP35	+75.0/-75.0	5.25	0.15	HGD-R35 71-1/4"X82-1/2"	
Center Hinged Outswing	DP50	+75.0/-75.0	7.5	0.02	HGD-R50 71-1/4"X82-1/2"	

# Test Results

## Hinged & Gliding Doors - Impact Rated

### Hinged Patio Doors - Impact & Cycle Testing Performance

Product specification	Max. Testing Dimension	D.P. Rating	Structure Performance (psf)	Test Standard	Certification
Inswing/Outswing SLPS (OXXO)	12'1" x 8'0"	DP 50	+75/-75	AMMA 506-2000 ASTM E1886-04 ASTM E1996-03	DR-165 DR-267
Inswing/Outswing SLPS (OXXO)	12'1" x 6'11"	DP 50	+75/-75	AMMA 506-2000 ASTM E1886-04 ASTM E1996-03	DR-165 DR-267
Inswing/Outswing SL/RS (OX/XO)	6'1" x 6'11"	DP 50	+75/-75	AMMA 506-2000 ASTM E1886-04 ASTM E1996-03	DR-165 DR-267
Inswing LPR (XXX) Outswing SLP (OXX)	9'1" x 8'0"	DP 50	+75/-75	TAS 201-94 TAS 202-94 TAS 203-94	Dade County N.O.A. 06-0411.05 Expiration Date: Aug 31, 2011  DR-164 Dade County N.O.A. 06-0411.04 Expiration Date: Aug 17, 2011
Outswing SLPL (OXXX)	12'1" x 8'0"	DP 70	+105/-105	TAS 201-94 TAS 202-94 TAS 203-94	FL12639 (v. 2007) FL12641 (v. 2007) Dade County N.O.A. 08-1118.08 Expiration Date: April 29, 2014 Dade County N.O.A. 08-1118.09 Expiration Date: April 20, 2014

### 3/4 Lite Panel (Outswing Only) - Impact & Cycle Testing Performance

Product specification	Max. Testing Dimension	D.P. Rating	Structure Performance (psf)	Test Standard	Certification
Outswing SLP (OXX)	8'10" x 8'0"	DP 50	+75-75	ASTM E1886-05; ASTM E1996-05	Approval Pending

\*\*For Florida Building Code Approval, please see [http://www.floridabuilding.org/pr/pr\\_app\\_srch.aspx](http://www.floridabuilding.org/pr/pr_app_srch.aspx). For Texas Department of Insurance Approval, see <http://www.tdi.state.tx.us/wind/prod/indexdr.html>. For Dade County Approval, see [http://www.co.miami-dade.fl.us/buildingcode/pc-search\\_app.asp](http://www.co.miami-dade.fl.us/buildingcode/pc-search_app.asp).

### Gliding Patio Doors - Impact & Cycle Testing Performance

Product specification	Max. Testing Dimension	D.P. Rating	Structure Performance (psf)	Test Standard	Certification
SRS (OXO)	12'0"x8'0"	DP 50	+75/-75	TAS 201-94 TAS 202-94 TAS 203-94	Dade County N.O.A. 05-0921.10 Expiration Date: Aug. 03, 2011
SRS (OXO)	12'0"x8'0"	DP 50	+75/-75	ASTM E1886-04 ASTM E1996-04	DR-166
SPLS (OXXO)	12'0"x8'0"	DP 50	+75/-75	TAS 201-94 TAS 202-94 TAS 203-94	ASTM E1886-02 ASTM E1996-02  FL12623.1 Dade County N.O.A. 08-0416.04 Expiration Date: Sep. 18, 2013

### Transom Test Results - Impact & Cycle Testing Performance

Product specification	Max. Testing Dimension	D.P. Rating	Structure Performance (psf)	Test Standard	Certification
GTI 6020, GTO 6020, GTG 6020	6'2" x 2'0"	DP 80	+120/-120	TAS 201-94 TAS 202-94 TAS 203-94	FL13084.1 FL13084.2  Dade County N.O.A. 09-0305.03 09-0305.04 Expiration Date: July 15, 2014
GTI 12020, GTO 12020, GTG 12020 (with mullion)	12'1" x 2'3"	DP 80	+120/-120	TAS 201-94 TAS 202-94 TAS 203-94	



### Sound Transmission Class - Hinged

Product specification	STC	OITC
6068, LP Inswing (1" Laminated Glass)	34	30
6068, LP Inswing (1" Special Glass)	35	31
6068, LP Outswing (1" Laminated Glass)	34	30
6068, LP Outswing (1" Special Glass)	34	31

### Sound Transmission Class - Gliding

Product specification	STC	OITC
6068, SR Gliding (1" Laminated Glass)	32	29
6068, SR Gliding (1" Special Glass)	33	30