

# Test Results

## Gliding Patio Doors - AAMA Test Result (Full Lite Panel)

| Product specification          | Design Pressure Rating | Structure Performance (psf) | Water Resistance (psf) | AAMA 101 Standard                         | F.B.C & T.D.I Approval No.         |
|--------------------------------|------------------------|-----------------------------|------------------------|---|------------------------------------|
| 6068,60611, LS/SR(XO/OX)       | DP50                   | +75/-75                     | 7.5                    | SGD-Class<br>R-PG50<br>141 1/8" X 82 3/8" | FL 10181.6                         |
| 9068, 90611, SSR/LSS (OOX/XOO) | DP50                   | +75/-75                     | 7.5                    |   |                                    |
| 12068, 120611, SPLS (OXXO)     | DP50                   | +75/-75                     | 7.5                    |   |                                    |
| 8068, 80611, LS/SR (XO/OX)     | DP50                   | +75/-75                     | 7.5                    | SGD-Class<br>R-PG50<br>145 3/8" X 82 3/8" | FL 10181.8                         |
| 12068, 120611, SRS (OXO)       | DP50                   | +75/-75                     | 7.5                    |   |                                    |
| 6080, LS/SR (XO/OX)            | DP50                   | +75/-75                     | 7.5                    | SGD-Class<br>R-PG50<br>141 1/8" X 95 1/2" | FL 10181.1<br>FL 10181.10<br>dr651 |
| 9080, SSR/LSS (OOX/XOO)        | DP50                   | +75/-75                     | 7.5                    |   |                                    |
| 12080, SPLS (OXXO)             | DP50                   | +75/-75                     | 7.5                    |   |                                    |
| 8080, LS/SR (XO/OX)            | DP50                   | +75/-75                     | 7.5                    | SGD-Class<br>R-PG50<br>145 3/8" X 95 1/2" | FL 10181.4<br>FL 10181.12<br>dr653 |
| 12080, SPLS (OXO)              | DP50                   | +75/-75                     | 7.5                    |   |                                    |

\*\*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.miamidade.gov/building/pc-search\\_app.asp](http://www.miamidade.gov/building/pc-search_app.asp)

## Energy Performance Rating (Full Lite Panel)--For Gliding Patio Doors

| Product Specification  | U-Factor (BTU/hrft <sup>2</sup> F) | Solar Heat Gain Coefficient (SHGC) | Visible Light Transmittance (VT) |
|------------------------|------------------------------------|------------------------------------|----------------------------------|
| 2/SS/0.057/ARG/0.444/N | 0.29                               | 0.16                               | 0.25                             |
| 2/SS/0.057/ARG/0.444/G | 0.29                               | 0.14                               | 0.21                             |
| 2/SS/0.057/ARG/0.567/N | 0.28                               | 0.16                               | 0.24                             |
| 2/SS/0.057/ARG/0.567/G | 0.28                               | 0.14                               | 0.21                             |
| 2/SS/0.042/ARG/0.444/N | 0.28                               | 0.26                               | 0.45                             |
| 2/SS/0.042/ARG/0.444/G | 0.28                               | 0.23                               | 0.38                             |
| 2/SS/0.042/ARG/0.567/N | 0.27                               | 0.17                               | 0.39                             |
| 2/SS/0.042/ARG/0.567/G | 0.27                               | 0.15                               | 0.33                             |
| 2/SS/0.022/ARG/0.444/N | *0.28                              | *0.18                              | *0.41                            |
| 2/SS/0.022/ARG/0.444/G | *0.28                              | *0.16                              | *0.35                            |
| 2/SS/0.022/ARG/0.567/N | 0.27                               | 0.17                               | 0.39                             |
| 2/SS/0.022/ARG/0.567/G | 0.27                               | 0.15                               | 0.33                             |

Product Description: glazing layers / spacer type  
LoE emissivity (surface) / gap fil / gap width / grilles / \*New Data Pending  
SS=stainless steel  
LoE emissivity  
0.057=LoE 240  
0.042=LoE 272  
0.022=LoE 366  
ARG = argon  
N = no grille  
G = with grille < 1"

## Transom Test Results - AAMA Test Results (Full Lite Panel)

| Product specification        | Design Pressure Rating | Structure Performance (psf) | Water Resistance (psf) | AAMA 101 Standard        | Using           | Certification |
|------------------------------|------------------------|-----------------------------|------------------------|--------------------------|-----------------|---------------|
| GTI/GTG 6020                 | DP80                   | +120/-120                   | 12.0                   | TR-LC80<br>71 1/4" X 24" | Inswing/Gliding | FL10185.3     |
| GTI/GTG 12020 (With mullion) | DP75                   | +120/-120                   | 11.25                  | TR-R75<br>145 3/8" X 24" |                 | FL10185.11    |
| GTO 6020                     | DP80                   | +120/-120                   | 12.0                   | TR-LC80<br>71 1/4" X 24" | Outswing        | FL10185.7     |
| GTO 12020 (With mullion)     | DP75                   | +120/-120                   | 11.25                  | TR-R75<br>145 3/8" X 24" |                 | FL10185.5     |

# Test Results

## Hinged & Gliding Doors - Impact Rated

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

| Product specification | Max. Testing Dimension | Design Pressure Rating | Structure Performance (psf) | Test Standard         | F.B.C./T.D.I Dade County Approval No. |
|-----------------------|------------------------|------------------------|-----------------------------|-----------------------|---------------------------------------|
| Inswing SLPS(OXXO)    | 11'11" X 6'11"         | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL14752.1/ FL14752.3 dr648            |
| Outswing SLPS(OXXO)   | 11'11" X 6'11"         | DP50/DP70              | +105/-105                   | ASTM E1886/ASTM E1996 | FL14752.5/ FL14752.20                 |
| Outswing SLP(OXX)     | 9'1" X 6'11"           | DP70                   | +105/-105                   | TAS201/202/203        | NOA 12-0612.15                        |
| Inswing SLPS(OXXO)    | 11'11" X 8'0"          | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL14752.22                            |
| Inswing SLP(OXX)      | 9'1" X 8'0"            | DP50                   | +75/-75                     | TAS201/202/203        | NOA 12-0612.18                        |
| Outswing SLPS(OXXO)   | 11'11" X 8'0"          | DP50/DP70              | +105/-105                   | ASTM E1886/ASTM E1996 | FL14752.21                            |
| Outswing SLP(OXX)     | 9'1" X 8'0"            | DP50                   | +75/-75                     | TAS201/202/203        | NOA 12-0612.17                        |
| Outswing SLPL(OXXX)   | 12'1" X 8'0"           | DP70                   | +105/-105                   | TAS201/202/203        | NOA 12-0612.06<br>NOA 12-0612.07      |

### 3/4 Lite Panel - Impact & Cycle Testing Performance

| Product specification | Max. Testing Dimension | Design Pressure Rating | Structure Performance (psf) | Test Standard           | F.B.C & T.D.I Approval No.         |
|-----------------------|------------------------|------------------------|-----------------------------|-------------------------|------------------------------------|
| Inswing SLP(OXX)      | 8'10" X 8'0"           | DP50                   | +75/-75                     | ASTM E1886 / ASTM E1996 | FL14752.14                         |
| Outswing SLP(OXX)     | 8'10" X 8'0"           | DP50                   | +75/-75                     | ASTM E1886 / ASTM E1996 | FL14752.18 dr424 (Renewal Pending) |
| Outswing SLPS(OXXO)   | 11'11" X 6'8"          | DP50                   | +75/-75                     | ASTM E1886 / ASTM E1996 | 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.miamidade.gov/building/pc-search\\_app.asp](http://www.miamidade.gov/building/pc-search_app.asp).

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

| Product specification | Max. Testing Dimension | Design Pressure Rating | Structure Performance (psf) | Test Standard         | F.B.C & T.D.I Approval No.       |
|-----------------------|------------------------|------------------------|-----------------------------|-----------------------|----------------------------------|
| SRS(OXO)              | 12'1" X 6'11"          | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL10181.9                        |
| SRS(OXO)              | 12'1" X 6'11"          | DP50                   | +75/-75                     | TAS201/202/203        | Approval pending                 |
| SPLS(OXXO)            | 11'9" X 6'11"          | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL10181.7                        |
| SPLS(OXXO)            | 11'9" X 6'11"          | DP50                   | +75/-75                     | TAS201/202/203        | Approval pending                 |
| SRS(OXO)              | 12'1" X 8'0"           | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL10181.5/FL10181.11 dr652       |
| SRS(OXO)              | 12'1" X 8'0"           | DP50                   | +75/-75                     | TAS201/202/203        | NOA 12-0612.16                   |
| SPLS(OXXO)            | 11'9" X 8'0"           | DP50                   | +75/-75                     | ASTM E1886/ASTM E1996 | FL10181.3                        |
| SPLS(OXXO)            | 11'9" X 8'0"           | DP50                   | +75/-75                     | TAS201/202/203        | NOA 12-0612.05 (Renewal Pending) |

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

| Product specification            | Max. Testing Dimension | Design Pressure Rating | Structure Performance (psf) | Test Standard   | Certification  |
|----------------------------------|------------------------|------------------------|-----------------------------|-----------------|----------------|
| GTI/GTO/GTG 6020                 | 6'2" X 2'0"            | DP80                   | +120/-120                   | TAS 201/202/203 | NOA 12-0612.11 |
| GTI/GTO/GTG 12020 (with mullion) | 12'1" X 2'3"           | DP80                   | +120/-120                   | TAS 201/202/203 | NOA 12-0612.12 |

### Neuma Doors STC Test Sound Transmission Class-Hinge

| Product Specification                                | STC | OITC |
|--|-----|------|
| 3080, L Inswing (1" Double Laminated Glass)          | 35  | 23   |
| 3080, L Outswing (1" Double Laminated Glass)         | 35  | 30   |
| 6068, LP Inswing (1" Standard Impact Glass)          | 34  | 30   |
| 6068, LP Inswing (1" Double Laminated Glass)         | 35  | 31   |
| 6068, LP Outswing (1" Standard Impact Glass)         | 34  | 30   |
| 6068, LP Outswing (1" Double Laminated Glass)        | 34  | 31   |
| 6068, LP Outswing (0.625" Standard Non-Impact Glass) | 29  | 25   |
| 6068, SR Gliding (1" Standard Impact Glass)          | 32  | 29   |
| 6068, SR Gliding (1" Double Laminated Glass)         | 33  | 30   |
| 6068, LS Gliding (1" Standard Non-Impact Glass)      | 30  | 25   |
| 6068, LS Gliding (0.625" Standard Non-Impact Glass)  | 27  | 23   |

