



**ASTM E 330  
TEST REPORT SUMMARY**

**Rendered to:**



**SILVER LINE BUILDING PRODUCTS  
CORPORATION**

**SERIES/MODEL: 5500  
TYPE: PVC Sliding Glass Door (XO)**

<b>Title of Test</b>	<b>Results</b>
Overall Design Pressure	+37, -39 psf
Structural Test Pressure	+55.5, -58.5 psf

Reference should be made to Report No. 01-39202.01 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

  
Adam Fodor, Technician 

AF:nlb



Architectural Testing

**ASTM E 330 TEST REPORT**

Rendered to:

SILVER LINE BUILDING PRODUCTS CORPORATION  
One Silver Line Drive  
North Brunswick, New Jersey 08902

Report No: 01-39202.01  
Test Date: 03/26/01  
Report Date: 05/14/01  
Expiration Date: 03/26/05

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted to witness tests on a Series/Model 5500, PVC sliding glass door (XO) at Silver Line Building Products' test facility in North Brunswick, New Jersey. Test specimen description and results are reported herein.

**Test Method:** The test specimen was evaluated in accordance with ASTM E 330-97, *Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference*.

**Test Specimen Description:**

**Series/Model:** 5500

**Type:** PVC Sliding Glass Door (XO)

**Overall Size:** 5' 11-5/8" wide by 6' 7-3/4" high

**Active Panel Size:** 2' 11-1/2" wide by 6' 5-1/4" high

**Fixed Panel Size:** 2' 11-1/2" wide by 6' 3-1/2" high

**Finish:** All PVC was white, the aluminum sill was unfinished.

**Glazing Details:** The panels utilized 1" thick sealed insulating glass units fabricated from two sheets of 1/8" thick tempered transparent glass and a spacer system. The lites were exterior glazed onto silicone bedding and secured with PVC snap-fit glazing beads.



**Test Specimen Description:** (Continued)

**Frame Construction:** The frame was constructed of extruded PVC members, with the exception of the extruded aluminum sill. The corners were coped, butted, sealed and fastened with three #8 x 2" screws.

**Panel Construction:** The panels were constructed of extruded PVC members with mitered and welded corners. The fixed panel was secured to the frame with clips placed as follows: one at the top and bottom of the exterior meeting stile, one at the top, bottom, and midspan of the fixed/jamb stile on the interior. The clips were secured to the panels with two #6 x 5/8" long screws per clip. The clips were secured to the frame with two #6 x 1" screws per clip.

**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Lock handle assembly	1	Midspan of the active jamb/stile
Keeper	1	Fastened to the midspan of the active jamb with two #10 x 1-1/4" long screws

**Reinforcement:** The interior and exterior of the meeting stiles utilized a 17 gage galvanized steel channel that measured 1-1/8" wide by 1-3/8" deep.

**Installation:** The test unit was installed into the nominal 2" x 10" Douglas Fir-South #2 wood test buck with #8 x 2" long screws in the head and jambs, and #8 x 1" long screws in the sill. The screws were located as follows: two 6" from each corner and midspan of the jambs; one 6" from each corner and 20" on center in the head and sill. All installation screw heads were sealed with silicone. The exterior perimeter was sealed with silicone.



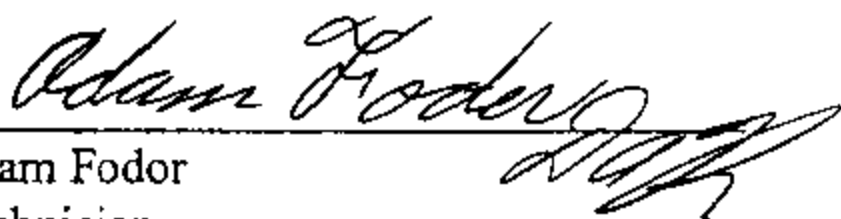
**Test Results:**

The results are tabulated as follows:

<u>Test Method</u>	<u>Title of Test</u>	<u>Results</u>
ASTM E 330	Uniform Load Deflection (Measurements reported were taken on the exterior meeting stile) Loads were held for 36 seconds @ 37.0 psf (positive) @ 39.0 psf (negative)	1.06" max. deflection 1.13" max. deflection
ASTM E 330	Uniform Structural Load (Measurements reported were taken on the exterior meeting stile) Loads were held for 10 seconds @ 55.5 psf (positive) @ 58.5 psf (negative)	0.13" permanent set 0.30" permanent set

Representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. This report is the exclusive property of the client so named herein and is applicable to the sample tested. Results obtained are tested values and do not constitute an opinion or endorsement by this laboratory.

For ARCHITECTURAL TESTING, INC:



Adam Fodor  
Technician



Allen N. Reeves, P.E.  
Director - Engineering Services

14 MAY 2001

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01-39202.01

