

**PERFORMANCE TEST REPORT**

**Rendered to:**

**TREMCO INCORPORATED**

**SERIES/MODEL: Proglaze ETA**

**PRODUCT TYPE: Engineered Transition Assembly**

<b>Title</b>	<b>Summary of Results</b>
Air Infiltration	<0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> )
Water Resistance Test Pressure	718 Pa (15.0 psf)
Uniform Load Deflection Test Pressure	±6699 Pa (±140 psf)
Uniform Load Structural Test Pressure	±10,049 Pa (±210 psf)

Reference should be made to ATI Report No. 71403.01-109-44 for complete test specimen description and data.

## PERFORMANCE TEST REPORT

Rendered to:

TREMCO INCORPORATED  
3777 Green Road  
Beachwood, Ohio 44122

Report No.: 71403.01-109-44  
Revision 1: 04/19/07  
Test Date: 04/10/07  
And: 04/11/07  
Report Date: 04/18/07  
Expiration Date: 04/11/11

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted by Tremco Incorporated to perform testing on a Series/Model Proglaze ETA, engineered transition assembly. Test specimen description and results are reported herein. The sample was provided by the client.

**Test Methods:** The test specimen was evaluated in accordance with the following:

*ASTM E 283-04, Test Method for Determining Rate of Airflow Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen.*

*ASTM E 330-02, Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.*

*ASTM E 331-00, Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.*

*ASTM E 547-00, Test Method for Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Static Air Pressure Difference.*

### **Test Specimen Description:**

**Series/Model:** Proglaze ETA

**Product Type:** Engineered Transition Assembly

**Overall Size Tested:** 1194 mm (47") wide by 1803 mm (71") high

**Test Specimen Description:** (Continued)

**Molded 90 Degree Corner Size:** 76 mm (3") wide by 305 mm (12") long by 305 mm (12") long

**Size at Jambs:** 76 mm (3") wide by 1295 mm (51") long

**Size at Head and Sill:** 76 mm (3") wide by 1295 mm (51") long

**Overall Area:** 0.43 m<sup>2</sup> (4.67 ft<sup>2</sup>)

**Finish:** Aluminum extrusion utilized an Alodine finish, silicone extrusion utilized no finish.

**Installation:** The extruded aluminum receiver was installed onto the exterior perimeter of the fixed window with #10 x 3/4" Phillips pan head screws placed 2" from corners and 12" on center. The silicone was extruded with a dart that compressed into the aluminum receiver. The dart was bedded in Spectrem 1 silicone sealant and then sealed to the window frame. The 2x8 Spruce-Pine-Fir wood buck was covered in a peel and stick ExoAir 110 membrane and the silicone extrusion was bedded in Spectrem 1 over top of the ExoAir 110 membrane. The fixed window unit was installed to the buck with metal strap hangers which left a 3/4" gap around the perimeter of the window which the Proglaze ETA covered.

**Test Results:** The results are tabulated as follows:

<u>Test Method</u>	<u>Title of Test</u>	<u>Results</u>
ASTM E 283	Air Infiltration 75 Pa (1.57 psf) 300 Pa (6.24 psf)	<0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> ) <0.05 L/s/m <sup>2</sup> (<0.01 cfm/ft <sup>2</sup> )
ASTM E 547 and E 331	Water Resistance (with and without screen) 718 Pa (15.0 psf)	No leakage
ASTM E 330	Uniform Load Deflection ±6699 Pa (±140.0 psf)	No damage
ASTM E 330	Uniform Load Structural ±10,049 Pa (±210.0 psf)	No damage

**General Note:** Upon completion of testing, the specimens met the requirements of the referenced standards.

Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire. Results obtained are tested values and were secured by using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

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Stephen D. Shank  
Senior Technician

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Michael D. Stremmel, P.E.  
Director - Operations

SDS:vlm

Attachment (pages): This report is complete only when all attachments listed are included.  
Appendix-A: Drawings (2)

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	04/18/07	N/A	Original report issue
1	04/19/07	Page 2	Installation paragraph - Corrected spelling of Spectrum to Spectrem and changed ExoAir 110 tape to ExoAir 110 membrane

**Appendix A**

**Drawings**