

**BURNING BRAND
PERFORMANCE TEST REPORT**

Rendered to:

VELUX AMERICA, INC.

**SERIES/MODEL: TGF/TGR 022 0000 (Acrylic Dome)
VELUX SUN TUNNEL™**

**ACCESSORY PRODUCTS: Tubular Skylight
with ZTA 022 000090 9" Turrets
and ZZZ 192 002290 9" Fire Band**

**Report No: 65406.01-106-31
Report Date: 06/22/06
Expiration Date: 06/14/10**

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VELUX AMERICA, INC.
450 Old Brickyard Road
P.O. Box 5001
Greenwood, South Carolina 29648-5001

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Series/Model: TGF/TGR 022 0000 (Acrylic Dome) VELUX SUN TUNNEL™

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Project Summary: Architectural Testing, Inc. (ATI) was contracted by VELUX America, Inc. to evaluate their VELUX SUN TUNNEL with 9" turrets and 9" fire band in accordance with ASTM E 108, Section 10. The tubular daylighting device met the requirements for Burning Brand, Class B rating. This report details the test conducted and the results obtained.

Test Methods: The test specimens were evaluated in accordance with ASTM E 108-04, *Standard Test Methods for Fire Tests of Roof Coverings* (Burning Brand Test, Class B).

Test Description: The tubular daylighting device was tested as received, in a horizontal position and in a 12 mph wind. A fire brand constructed of 3/4" by 3/4" by 6" strips of Douglas Fir forming a grid of approximately 6" square and 2-1/4" thick was ignited and placed at the base of the tubular daylighting device. The brand was allowed to continue burning until it was completely consumed and all evidence of flame, glow and smoke had disappeared from the brand and tubular daylighting device. Any observations and damage to the plastic portion of the tubular daylighting device were recorded.

Test Results: The results from testing are reported below.

Tubular Daylighting Device #1:

	Test A	Test B
Total Time for Test	7 min. 52 sec.	8 min. 52 sec.
Photos in Appendix A	1, 2, 3, 7	4, 5, 6, 7
Observations	No damage to plastic; Coating on metal flaked from the heat	No damage to plastic; Coating on metal flaked from the heat
Result	Passes Burning Brand, Class B	Passes Burning Brand, Class B

Tubular Daylighting Device #2:

	Test A	Test B
Total Time for Test	7 min. 44 sec.	7 min. 46 sec.
Photos in Appendix A	8, 9, 10, 13	11, 12, 13
Observations	No damage to plastic; Coating on metal flaked from the heat	No damage to plastic; Coating on metal flaked from the heat
Result	Passes Burning Brand, Class B	Passes Burning Brand, Class B

A copy of this report will be retained by ATI for a period of four years from the original test date. 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. This report may not be reproduced, except in full, without the approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC.:

Dawn M. Chaney
Technician - Component/Materials Testing

Todd D. Burroughs
Director - Component/Materials Testing

DMC:dmc/nlb

Attachments (pages)
Appendix A - Photographs (7)

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/22/06	N/A	Original report issue.

APENDIX A

Photographs



Photo No. 1
Tubular Daylighting Device #1, Test A - Testing in Progress



Photo No. 2
Tubular Daylighting Device #1, Test A - Near the End of Test



Photo No. 3
Tubular Daylighting Device #1, Test A - Damage to Specimen



Photo No. 4
Tubular Daylighting Device #1, Test B - Testing in Progress



Photo No. 5
Tubular Daylighting Device #1, Test B - Near the End of Test



Photo No. 6
Tubular Daylighting Device #1, Test B - Damage to Specimen



Photo No. 7
Tubular Daylighting Device #1 - View of Plastic Portion



Photo No. 8
Tubular Daylighting Device #2, Test A - Testing in Progress



Photo No. 9
Tubular Daylighting Device #2, Test A - Near the End of Test



Photo No. 10
Tubular Daylighting Device #2, Test A - Damage to Specimen



Photo No. 11
Tubular Daylighting Device #2, Test B - Testing in Progress



Photo No. 12
Tubular Daylighting Device #2, Test B - Damage to Specimen

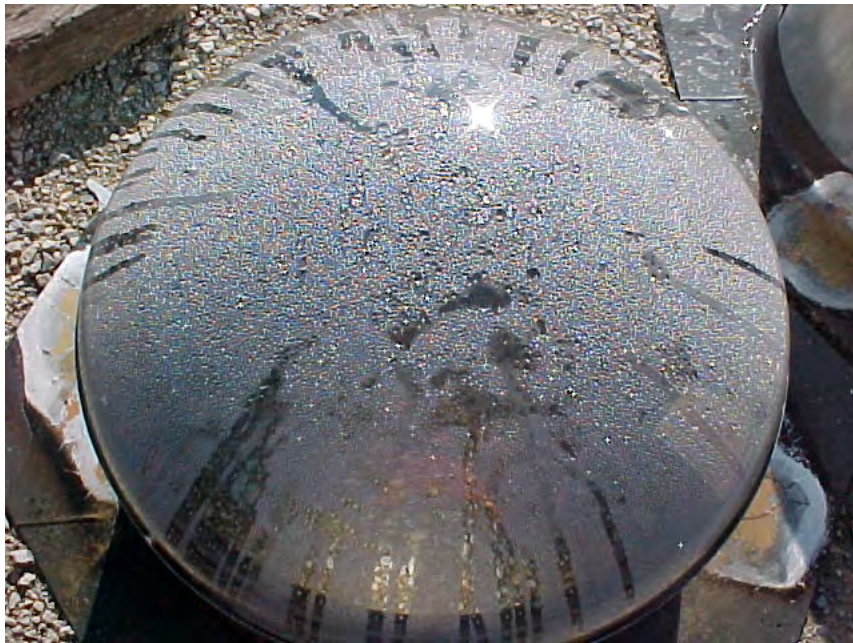


Photo No. 13
Tubular Daylighting Device #2 - View of Plastic Portion