



MID AMERICA TESTING LABORATORY, INC.

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DATE OF REPORT: February 1, 2006
LOCATION OF TESTING: Mid America Testing Laboratory
CLIENT: Tubelite
JOB NUMBER: 05107L
DATE OF TESTING: November 8, 2005
EXPIRATION DATE: November 8, 2009

The following were present for all or portions of the laboratory testing:

Mr. Steve DeYoung	Tubelite
Mr. Les Olds	Tubelite
Mr. Eric Kraus	St. Charles Glass
Mr. Travis Swisshelm	Mid America Testing Laboratory
Ms. Cindy Barrow	Mid America Testing Laboratory

A. **MANUFACTURER** Tubelite, Inc.
1878 Mackinaw Trail
Reed City, MI 49677

B. **PRODUCT IDENTIFICATION:**

Product Type: Aluminum and Glass Out Swing Entrance Door

Test Specimen Size: 39" x 85"

C. **PRODUCT DESCRIPTION:**

Weatherstrip Identification: Wool Fin Gasket

Weatherstrip Use: Jambs and head perimeter of door
Interior seals

Hardware:

Dead bolt and latch manufactured by Truth
Two (2) -Two knuckle hinges

UNIT DESCRIPTION

An out swing aluminum door was installed onto a test wall by laboratory personnel for purposes of static air infiltration testing. The door measured a nominal 39" wide by 85" high and contained a lite of glass which had a day light opening of 30½" wide x 76" high.

FORMAL TESTING

Tests were conducted on the 3'-0" wide X 7'-0" tall exterior passage door manufactured by Tubelite and installed onto the test wall by Lab personnel. Tests were conducted in substantial accordance with the test procedures outlined and described below utilizing the applicable ASTM standards.

1. **AIR INFILTRATION TEST** (ASTM E 283) at 1.57 PSF (25 MPH and .3" H₂O)

ALLOWED: Air infiltration shall not exceed .5 CFM per lineal foot.

RESULTS: .47 CFM per lineal foot.

The tested specimen meets the performance levels specified in ASTM E 283.

SUMMARY

The Tubelite aluminum and glass exterior door unit as described in this report has met or exceeded all applicable test criteria set forth in ASTM E 283 for static air infiltration.

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The above results were secured by using the designated test methods, which indicate compliance with the performance requirements of the referenced specification. This report does not constitute certification of this product, which may only be granted by the validator.

Respectfully Submitted,

MID AMERICA TESTING LABORATORY

A handwritten signature in black ink that reads "Cindy Barrow". The signature is written in a cursive, flowing style.

Cindy Barrow
Senior Project Manager

CB:mm
05107LTR