



Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

1677 West 31st Place Hialeah, FL 33012 Phone: 305/819-7877 Fax 305/819-7998

Lab. Number 2179
October 8, 1998
Report Number 67
File Number 98-102
Page 1 of 2
L-3144

OFFICIAL TEST REPORT

MANUFACTURER: Kinco Limited
ADDRESS: P.O. Box 6398
Jacksonville, Florida 32236

DESIGNATION: F-C110 - 73 x 61
SPECIFICATIONS: AAMA/NWWDA
101/I.S.2.-97

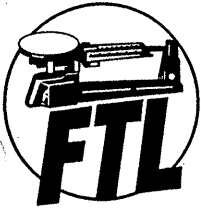
DESCRIPTION OF UNIT

- ✓ **Model Designation:** Series: M-40/50; Aluminum Fixed Window
- ✓ **Overall Size:** 6' 1" (73") by 5' 1" (61") high by 2.000" deep.
- Configuration:** O

MATERIAL CHARACTERISTICS

- ✓ **Frame Construction:** Test unit has a flange type frame, butt joints and a white coated finish. Aluminum alloy is 6063-T5. Frame corners were fastened with two No. 8 by 5/8" pan head sheet metal screws. Size of frame members are as follows: frame head, frame jambs and frame sill 0.937" by 2.000" by 0.812". Frame members are solid extrusions with a typical wall thickness of 0.062".
- Glazing:**
- ✓ **Material:** 3/16" tempered glass.
- ✓ **Method:** Unit is exterior glazed with 1/2" glazing penetration using a double sided glazing tape and an aluminum extruded glazing bead with foam between the bead and glass. Glazing bead fastened to frame with a single row of No. 8 by 1 1/4" pan head sheet metal screws, location of fasteners are as follows: frame head and frame sill from the left, 2 1/2", 20 1/2", 35 3/4", 51", 67 3/4"; frame jambs from the bottom, 2 1/4", 20 1/2", 39 1/4", 56 1/4".
- ✓ **Daylight Opening:** Clear opening, 70" by 58" high.
- ✓ **Weatherstripping:** None
- ✓ **Hardware:** None
- ✓ **Weepholes:** None
- ✓ **Reinforcement:** None
- ✓ **Sealants:** Frame corners were sealed with a clear colored sealant. Installation screws were sealed with a white colored sealant.
- ✓ **Pads:** None
- ✓ **Screen:** Not applicable
- ✓ **Unit Installation:** Test unit installed in a 2 X 12 wood test buck using a 1 X 4 pressure treated buck strip. Frame installed with a single row of No. 10 by 1" pan head sheet metal screws in frame head, frame sill and frame jambs. Location of installation screw spacing are as follows: frame sill and frame head from the left, 6", 21 1/4", 36 1/2", 51 3/4", 67"; frame jambs from the bottom, 6 1/2", 22 1/2", 39", 55 1/2".
- ✓ **Product markings:** None

Arthur Hammond
10/13/98



Lab. Number 2179
October 8, 1998
Report Number 67
File Number 98-102
Page 2 of 2
L-3144

OFFICIAL TEST RESULTS

Paragraph Number	Title of Test	Measured	Allowed
✓ 2.1.2	Air Infiltration Test: (ASTM E283-96) at 1.57 psf	0.05 cfm/sq.ft. (0.28 cmh)	Passed 0.3 (1.67) maximum
Note:	The tested specimen meets or exceeds the performance levels specified in specification reference for air infiltration.		
✓ 2.1.3	Water Resistance Test: (ASTM E547-96/E331-96) no leakage at	15.00 (718 pa)	Passed 4.50 (220) minimum
✓ 2.1.4.2	Uniform Structural Load Test: (ASTM E330-96) Exterior Load Interior Load	165.0 psf (7900 pa) 165.0 psf (7900 pa)	Passed 45.0 (2160) minimum 45.0 (2160) minimum
✓ 2.1.8	Forced Entry Resistance Test: (ASTM F588-97) Manipulation Test	No Entry	Passed

SECTION 4, OPTIONAL PERFORMANCE CLASS:

✓ 4.3.	Water Resistance Test: (ASTM E547-96/E331-96) no leakage at	15.00 psf (718 pa)	Passed 5.25 (252) minimum
✓ 4.4.2.	Uniform Structural Load Test: (ASTM E330-96) Positive Load Negative Load	165.0 psf (7900 pa) 165.0 psf (7900 pa)	Passed 52.5 (2520) minimum 52.5 (2520) minimum

Note: At conclusion of above tests, there was no apparent damage to unit, glass or fasteners.

Test Began - October 5, 1998

Test Completed - October 7, 1998

Remarks: This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and the performance requirements (paragraphs as listed) of the above referenced specifications. As per manufacturer, unit complies with section 3, material and component requirements.

Detailed assembly drawings showing wall thickness of all members, corner construction and hardware application are on file and have been compared to the sample submitted. A test sample will be retained at the test laboratory. A copy of this report has been forwarded to the Validator.

Witnessed by:
Mr. Jay Wyrick
Mr. Gilbert Diamond, P. E.

FENESTRATION TESTING LABORATORY, INC.

Manny Sanchez
President

Laboratory Technicians:
Roque Zavala

4 - Kinco, Ltd.
2 - ALI