

Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

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Lab. Number 2192
November 10, 1998
Report Number 73
File Number 98-102
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OFFICIAL TEST REPORT

MANUFACTURER:	Kinco Limited	DESIGNATION:	F-LC50 - 112 x 56
ADDRESS:	P.O. Box 6398 Jacksonville, Florida 32236	SPECIFICATIONS:	AAMA/NWWDA 101/I.S.2.-97

DESCRIPTION OF UNIT

Model Designation: Series: TW-1-CT; Aluminum Circle Top Fixed Window
Overall Size: 9' 4" (112") by 4' 8" (56") high by 2.376" deep.
Configuration: O

MATERIAL CHARACTERISTICS

Frame Construction: Test unit has a flange type frame, butt joints and a white coated finish. Frame corners were fastened with two No. 8 by 1" pan head sheet metal screws. Size of frame members are as follows: circle top 0.625" by 2.376" by 1.125"; frame sill 0.555" by 2.506" by 0.740". Frame members are solid extrusions with a typical wall thickness of 0.055".

Glazing:

Material: 3/4" overall insulated using two lights of 3/16" annealed glass with a 3/8" air space between the two lights of glass.

Method: Unit is interior glazed with 1/2" glazing penetration using a double sided glazing tape and an extruded aluminum glazing channel with foam between the bead and glass. Glazing bead was 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: circle top from the left, 1 3/4", 19 1/2", 38 3/8", 59 3/8", 81", 108", 127 3/4", 146 3/4", 164 3/4"; frame sill from the left, 5 1/4", 24 7/8", 44 1/2", 64", 84 3/4", 104 1/2".

Daylight Opening: Clear opening, 108 1/2" by 53" high, approximately 34.2 square feet.

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. Frame installed with a single row of No. 8 by 1 1/2" pan head sheet metal screws at perimeter of frame. Location of installation screw spacing are as follows: circle top from bottom left, 1 3/4", 22 1/4", 42 1/4", 63 1/4", 86 1/2", 111", 132 1/4", 151 1/4", 171 1/4"; frame sill from the left, 7", 26 1/2", 46 1/4", 66", 85 1/2", 105".

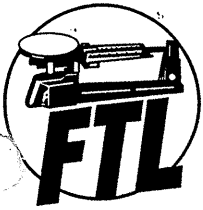
Product markings: None

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.

Handwritten signature and date: 1/6/99



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Paragraph Number	Title of Test	Measured	Allowed
2.1.3	Water Resistance Test: (ASTM E547-96/E331-96) no leakage at	20.00 (958 pa)	Passed 3.75 (180) minimum
2.1.4.2	Uniform Structural Load Test: (ASTM E330-96) Positive Load Negative Load	75.0 psf (3591 pa) 75.0 psf (3591 pa)	Passed 37.5 (1796) minimum 37.5 (1796) 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	20.00 psf (958 pa)	Passed 4.50 (215) minimum
4.4.2.	Uniform Structural Load Test: (ASTM E330-96) Positive Load Negative Load	75.0 psf (3591 pa) 75.0 psf (3591 pa)	Passed 45.0 (2155) minimum 45.0 (2155) minimum

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

Test Began - November 3, 1998

Test Completed - November 3, 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. Dan Duet
 Mr. Gilbert Diamond, P. E.

FENESTRATION TESTING LABORATORY, INC.

Manny Sanchez
 President

Laboratory Technicians:
 Roque Zavala

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