

Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

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Lab. Number 2128
September 9, 1998
Report Number 57
File Number 98-102
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OFFICIAL TEST REPORT

MANUFACTURER:	Kinco Limited	DESIGNATION:	HS-C55* - 72 X 48
ADDRESS:	P.O. Box 6398 Jacksonville, Florida 32236	SPECIFICATIONS:	AAMA/NWWDA 101/I.S.2.-97

DESCRIPTION OF UNIT

Model Designation: Series: RW-4/5 HP; Aluminum Horizontal Sliding Window

Overall Size: 6' 0" (72") by 4' 0" (48") high by 1.895" wide

Configuration: XO

No. & Size of Vents: One extruded aluminum vent, 3' 1/16" (36 1/16") by 3' 9" (45") high.

MATERIAL CHARACTERISTICS

Frame Construction: Test unit has a fin type frame, overall size including fin 74 1/4" by 50 1/4" high. Frame has butt joints and a white coated finish. Aluminum alloy is 6063-T6. Frame corners were fastened with two No. 8 by 5/8" pan head sheet metal screws. Fixed meeting rail was fastened at frame head with two No. 8 by 2" flat head sheet metal screws and to frame sill with two No. 8 by 1" flat head sheet metal screws. Unit tested with a 2.600" high overall interior sill flange. Size of frame members are as follows: frame head 1.863" by 1.895" by 1.307" by 1.967"; frame sill 1.967" by 0.312" by 1.895" by 2.600"; left frame jamb 0.974" by 1.895" by 0.374"; right frame jamb 0.874" by 1.895" by 0.443"; fixed meeting rail (hollow extrusion) 0.752" by 1.319" by 0.924" by 1.750". Frame members are solid extrusions, except where indicated. Extrusions have a typical wall thickness of 0.062".

Vent Construction: Vent has butt joints and a white and bronze coated finish. Aluminum alloy is 6063-T6. Vent corners were fastened with two No. 8 by 5/8" pan head sheet metal screws. Size of extrusions are as follows: vent top rail 0.922" by 0.750" by 0.422"; bottom rail 1.457" by 0.750" by 0.957"; vent jamb rail (hollow extrusion) 0.790" by 0.750" by 1.290"; vent meeting rail (hollow extrusion) 0.790" by 1.375" by 1.290" by 1.188". Vent rails are solid extrusions, except where indicated. Vent extrusions have a typical wall thickness of 0.062". Vent tested has a heavy duty meeting rail.

Glazing:

Material: 3/16" annealed glass.

Method: Unit tested is exterior glazed with .350" glazing penetration using a clear colored adhesive bedding compound, Schnee Morehead 5555, and an aluminum rolled glazing bead.

Daylight Opening: Clear opening of vent, 33 1/2" by 42 1/2" high; fixed light, 33 1/2" by 45 3/8" high.

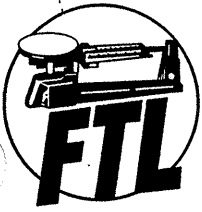
Weatherstripping:

Quantity	Description	Location
Double row	Pile with integral plastic fin, Schlegel .180 x .270	at vent bottom rail
Double row	Pile with integral plastic fin, Schlegel .310 x .270	at vent top rail
Single row	Pile with integral plastic fin, Schlegel .130 x .270	at fixed meeting rail
Single row	Pile with integral plastic fin, Schlegel .310 x .270	at left frame jamb

Hardware:

One	surface mount zinc cast cam lock, Allen Stevens #7538	one at midspan of vent meeting rail
Two	Brass wheels in plastic housing, Saunders Engineering	one at each end of vent bottom rail

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MATERIAL CHARACTERISTICS

Weepholes:

Quantity	Description	Location
Three	1/2" by .165" weep hole each with a 2 1/2" long plastic flap valve	at intermediate sill flange, 4 1/2", 18" and 32" from left end
One	3/16" diameter drain hole	in intermediate sill flange, 38 1/4" from left end

Muntins: None

Reinforcement: None

Sealants: Frame and vent corners were sealed with a clear colored sealant, Schnee Morehead 5504. Installation screws were sealed with a white colored sealant, Schnee Morehead 5504.

Pads: None.

Screen: Water resistance test performed with and without fiberglass screen.

Additional Description: One 2 1/2" by 1 1/2" by 0.045" aluminum plate in frame head above fixed meeting rail.

Unit Installation: Test unit installed in a 2 X 12 wood test buck using a 2 X 4 buck strip. Frame was blocked off on the exterior using a 1 1/2 X 2 wood strip. Frame installed with a single row of No. 8 by 1 1/4" flat head sheet metal screws into nail fin at frame head, frame sill and frame jambs. Location of installation screws are as follows: frame head from the left end, 7 1/2", 27 1/4", 46 7/8", 68"; frame sill from left end, 7 1/2", 30 3/4", 47", 67"; frame jambs from the bottom, 5", 25 1/8", 45 1/8".

Product Markings: None

OFFICIAL TEST RESULTS

Paragraph Number	Title of Test	Measured	Allowed
4.3	Water Resistance Test: (ASTM E547-96/E331-96) with and without screen, no leakage at	8.50 psf (407 pa)	Passed 5.25 (251) minimum
4.4.2	Uniform Structural Load Test: (ASTM E330-96)		Passed
	Exterior Load	90.0 psf (4309 pa)	52.5 (2514) minimum
	Permanent Deformation	0.074 inches (1.88 mm)	0.180 (4.58) maximum
	Interior Load	90.0 psf (4309 pa)	52.5 (2514) minimum
	Permanent Deformation	0.067 inches (1.70 mm)	0.180 (4.58) maximum

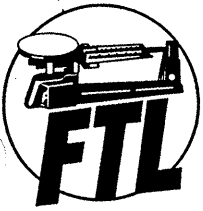
Note: At conclusion of above tests, there was no apparent damage to unit, glass or fasteners.

Reference Section 2: Laboratory Number 2125; Report Number 53; L-3102; September 1998

Test Began - August 17, 1998

Test Completed - August 17, 1998

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continued:

Remarks: This test report does not constitute certification of this product, but only that the above test results were obtained using the above referenced test methods, 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.

Note: Test specimens were covered with a 1.5 mil plastic sheeting to seal from air leakage when load tests were performed, however this had no effect on the above tests results.

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

FENESTRATION TESTING LABORATORY, INC.

Manny Sanchez
President

Laboratory Technicians:
Roque Zavala

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