

TESTED FOR

Fleetwood Aluminum Products
2485 Railroad Street
Corona, California 91720

Report No. : A94D-225

Date : December 15, 1994

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1.0 PURPOSE

The purpose of this report is to present the testing methods employed and test results obtained during the performance testing of one (1) **Aluminum Thermally Broken Sliding Glass Door** described in paragraph 4.0 of this report.

2.0 TEST REFERENCES

2.1 American National Standards Institute Specifications
ANSI/AAMA 101-93: **SGD-HC40**
SGD-HC50.

3.0 SUMMARY

The test results in paragraph 5.0 indicate that the test sample described in paragraph 4.0 of this report complied with the performance requirements of the above referenced specifications.

4.0 SAMPLE SUBMITTED

SERIES: **3300-TD Sliding Glass Door**

CONFIGURATION: XO Inside Slide

FRAME SIZE: 121.75" x 95.75"

SASH SIZE: 61.62" x 93.75"

FIXED SIZE: 59.87" x 94.00"

GLASS (HC40): Both panels contained 1" overall insulated glass with 3/16" tempered on both sides.

GLASS (HC50): Both panels contained 1" overall insulated glass with 1/4" tempered on both sides.

GLAZING: Both panels were channel glazed with vinyl gasket, and all of the interior and exterior glazing corners were sealed.

WEEPAGE: None.

WEATHERING: The following members contained .240" overall Q-Lon:

- a) Sliding track of lock jamb facing in and out.
- b) Fixed track of fixed jamb facing in.
- c) Fixed jamb stop facing out.
- d) Head sliding track facing in.
- e) Head fixed track facing in and out.

The following members contained .270" overall polypile with a center fin:

- a) Sill sliding track facing out.
- b) Head sliding track facing out.
- c) Both interlocks.

The fixed interlock contained a 4.5" long air barrier at each end. Air barrier consisted of PVC housing with a .230" overall polypile strip.

The sliding bottom rail contained a vinyl sweep facing the exterior.

HARDWARE: The lockstile contained an Adams Rite lock set. When closed and locked, the steel strike engaged a slot in the jamb that was reinforced with a steel face backup plate.

The sliding bottom rail contained an adjustable tandem steel roller at each end.

CONSTRUCTION: The frame and panel corners were mechanically joined with screws, and the fixed interlock was fastened to the frame at each end with an aluminum (1.5" x 1.5" x .125" thick) angle clip that contained a pair of screws at each leg.

The fixed jamb contained a full length snap-in aluminum stop on the inside. The stop was fastened to the jamb with screws at quarter points and sealed at each end.

The frame jambs were anchored with a pair of screws every 16" on center, and the head and sill with a pair of screws every 24" on center to the 2" x 6" wooden buck.

CAULKING: a) All frame corners full profile.
b) All sill anchor screws.
c) Frame perimeter on inside and outside to wood rough opening.
d) All inside and outside glazing corners.
e) Sill adapter to sill full length.

5.0 TEST PROCEDURES AND RESULTS

5.1 All testing procedures were performed in accordance with the performance requirements of the test specifications referenced in paragraph 2.0 of this report.

5.2 TEST RESULTS
PARAGRAPH
ALLOWED

	<u>TEST DESCRIPTION</u>	<u>MEASURED</u>
2.2.9.5.1	Operating Force	
	Breakaway 35 lbs.	40 lbs.
	Motion 25 lbs.	25 lbs.
2.1.2	Air Infiltration (ASTM E 283-91)	
	6.24 PSF .11 CFM/FtCl	.37 CFM/FtCl
2.1.3	Water Penetration (ASTM E 547-86)	
	6.00 PSF No Leakage	No Leakage
	Without sill adapter. With/without screen.	
	8.25 PSF No Leakage	No Leakage
	With sill adapter. With/without screen.	
2.1.4	Uniform Load Structural (ASTM E 330-90)	
	75.0 PSF POS +0.32"	0.36" Set
	75.0 PSF NEG - 0.25"	0.36" Set
	60.0 PSF POS +0.24"	0.36" Set
	60.0 PSF NEG - 0.18"	0.36" Set
2.2.9.5.2	Deglazing (ASTM E 987-88)	
	70 lbf. Stiles Passed	Less than 100%
	50 lbf. Rails Passed	Less than 100%

For a complete description of the tested sample refer to the attached cross section drawings.

Assembly and die drawings of frame members are on file and have been compared to the sample submitted. Test sample sections, drawings, and a copy of this report will be retained at the test laboratory for four years.

The above results were obtained by using the applicable ASTM Test Methods. This report does not constitute Certification of this product. Certification can only be granted by an approved

Administrator/Validator.

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Testing Completed: December 16, 1994
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