



Quality Accuracy Assurance

Fenestration Testing Laboratory, Inc.

8148 N.W. 74th Avenue Medley, FL 33166 Phone: (305) 885-3328 Fax: (305) 885-3329 (888) 819-7877
e-mail: clientservices@ftl-inc.com www.ftl-inc.com

Report Date: 10/7/2015
Completion Date: 9/14/2015
Report Retention Date: 9/15/2019
Page Number: Page 1 of 4
Lab. Number: 8507
Project Number: 15-5995

Acoustical Performance Test Report

MANUFACTURE: Coral Architectural Products

SPECIFICATIONS: ASTM E90-09

ADDRESS: 7704B Industrial Lane
Tampa, Florida 33637

PROJECT: Coral Architectural Products

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DESCRIPTION OF SAMPLE	
Model Designation:	Series: FL550 Impact Flush Glaze Store Front
Overall Size:	6'-7" (79") by 6'-7" (79") high
Configuration:	O-O
Weight of Sample:	433 pounds

Frame Corner Construction	Number of Fasteners	Size of Fasteners
Frame upper corners fastened with	Two	14 by 1" HWH SMS
Frame lower corners fastened with	Two	14 by 1" HWH SMS
Vertical mullion fastened with	Two	14 by 1" HWH SMS

Glazing			
Location	Glazing Material	Glazing Compound	Compound Color
Both lites of glass	*1 5/16" nominal insulated laminated glass composed of (1) 1/4" tempered glass on the exterior -1/2" airspace- (2) 1/4" tempered glass interior	**DOW Corning 995	Black
Interlayer Film: *0.060" **DuPont SentryGlas		Laminator: **Coral Industries	
Glazing Method: Pocket glazed at the top and all vertical members with a *0.513" glazing penetration using an **EPDM gasket on the exterior and silicone and an **EPDM gasket on the interior.			
Exterior glazed at the bottom with a *0.599" glazing penetration using an extruded aluminum glazing bead with an **EPDM gasket between glass and bead; and using silicone and an **EPDM gasket on the interior. One 1 1/8" by 7/8" by 1 1/8" by 0.078" thick by 4" long setting chair channel in the glazing pocketed located 4 1/2" from each end of each glazing bead.			
Daylight Opening:	35 3/4" by 73 1/2" high		

Mullions		
Number and Size	Location	Method of Attachment
One 79" long vertical mullion	39 1/2" from left	Same assembly fasteners

Additional Information
The sample was tested using butyl tape at all the frame corners.
The sample was tested using one 79" long extruded aluminum sill pan. The sill pan was fastened to the frame sill using a double row of No. 10 by 1/2" FH SDS located 4 3/16" from each end of each panel.
The sample was tested using one 2.688" by 0.750" by 0.060" thick by 5.273" long end dam angle below each frame jamb and fastened using two No. 10 by 1/2" FH SDS.

Sample Installation
The sample was erected into the test wall and wedged into the opening. The sample did not have any installation fasteners.



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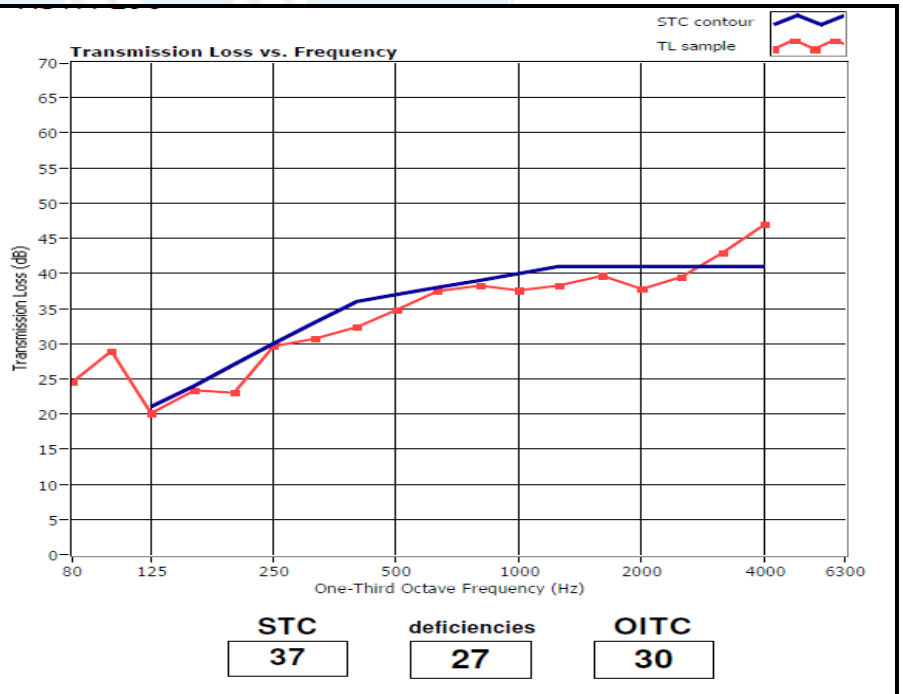
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Equipment			
Instrument	Manufacture	Model	Description
Pressure microphone	Norsonic	1230	Microphone
Oscillating microphone boom	Norsonic	N265	Rotating microphone
Loud speaker	JBL	SR4733X	Speaker
Amplifier system	QSC	RMX1850-HD	Amplifier
Dual band equalizer	DBX	DBX-1231	Equalizer

Test Chamber Dimensions	
Receiving Room	7875 ft ³
Source Room	6840 ft ³

Room Conditions: 25°C R.H: 27% ATM: 1016 hPa

Data Table	TL (db)	deficiencies	95% CI
80	24	-	2.67
100	29	-	2.61
125	20	1	2.57
160	23	1	2.46
200	23	4	2.37
250	30	0	1.10
315	31	2	1.14
400	32	4	0.81
500	35	2	0.49
630	37	1	0.53
800	38	1	0.50
1000	38	2	0.47
1250	38	3	0.30
1600	40	1	0.21
2000	38	3	0.20
2500	39	2	0.26
3150	43	0	0.32
4000	47	0	0.40



REPORT REVISION HISTORY			
Rev	Description of Change	Author of Report	Effective Date
0	Initial Release	Ms. Iliana Sancez	10/7/2015



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REMARKS

*designates measurements by laboratory
**as per manufacturer

Test results obtained represent the actual value of the tested specimen and does not constitute opinion endorsement or certification by this laboratory.

This test report is considered the exclusive property of the client herein and is applicable to the sample tested. This report may not be reproduced without the approval of Fenestration Testing Laboratory, Inc.

Testing was conducted as per instructions received from your company representative.

Laboratory Technician:
Ms. Iliana Sanchez

FENESTRATION TESTING LABORATORY

Mr. Manny Sanchez
Chief Executive Officer