

CLIENT: Aircrete Mexico Calle 3, Numero 7 Parque Industrial Platah, Villa de Tezontepec Hidalgo CP43880

Project No: MED-0021		Report Date: November 28, 2022	
SAMPLE ID:	Litecon Fire Wall		
SAMPLE DESCRIPTION:	8'-0" (96") by 7'-10 5/8" (94 5/8") high; See page 3 for full description.		
SAMPLING DETAIL:	The test sample manufactured by Aircrete Mexico was submitted directly to QAI by the client. Samples were independently selected for testing virtually by Jose Sanchez with QAI laboratorie in Miami FL.		
DATE OF RECEIPT:	Samples were received at the QAI Miami Laboratory on August 10, 2022.		
TESTING PERIOD:	November 7, 2022		
TESTING LOCATION:	QAI Laboratory (QAI) – Miami, Florida, USA		
AUTHORIZATION:	Proposal 22B04272R3, signed by Leonel Borja, dated April 27, 2022.		
	Testing to the following requ	uirements:	
	 Airborne Sound Transm ASTM E2235-04Standa Insulation Test Methods ASTM E413-22 Classified 	oved 2016) Standard Test Method for Laboratory Measurement of hission Loss of Building Partitions and Elements and Test Method for Determination of Decay Rates for Use in Soun cation for Rating Sound Insulation ard Classification for Rating Outdoor-Indoor Sound Attenuation	
TEST RESULTS:	The fire wall achieved the results found on page 4 of this test report when tested in accordance with the ASTM E90, , ASTM E2235, ASTM E413 and ASTM E1332.		
CONTENTS:	Test report pages 1 through 4.		
Prepared By	Sigi	ned for and on behalf of QAI Laboratory	
<i>Lusinda Delgado</i> Lusinda Delgado	Jose	Sanchez e Sanchez	

Lusinda Delgado **Technical Report Writer**

Jose Sanchez **Operation Manager**

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Technician: Jose Sanchez

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DESCRIPTION OF SAMPLE		
Model Designation:	Litecon Fire Wall	
Overall Size:	8'-0" (96") by 7'-10 5/8" (94 5/8") high	
Size of Fire Panel:	24" by 23 5/8" by 3" thick	
Weight:	32 pounds/panel	
Size of Fire Panel:	48" by 23 5/8" by 3" thick	
Weight:	65 pounds/panel	

Wall Construction

The litecon firewall panels were stacked and staggered. Horizontal and vertical seams were sealed with Aircrete Adhesive Mortar.

2" by 2" by 2 1/2" long aluminum burn clips were installed on both sides of the wall, maintains a 1/2" gap between the litecon fire wall panel and 2" by 4" wood stud. Each burn clip was fastened to the fire wall panel using two No. 8 by 2" sharp point type screw and to wood stud using two No. 6 by 1 1/4" FH drywall screw.

R13 BATT fiberglass insulation was located between the wall cavity of both sides.

5/8" type X drywall was located on both sides of the wall and fastened to the wood studs using a single row of No. 6 by 1 1/4" FH drywall screws spaced 12" on center.

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		

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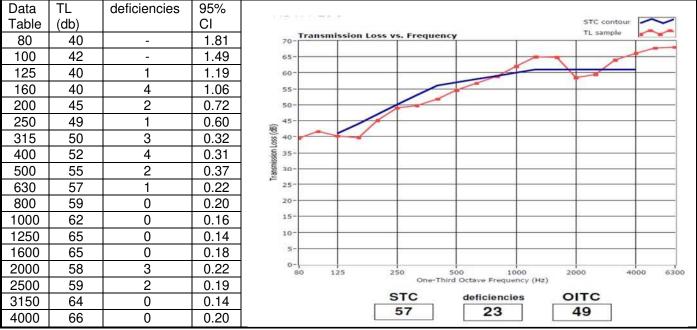




Test Chamber Dimensions				
Receiving Room	7875 ft ³			
Source Room	6840 ft³			

Room Conditions: 26.5°C R.H: 34%

ATM: 1013 hPa



Notes

* designates measurements by laboratory

** as per manufacturer

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Drawings referenced in this document are an integral part of this report, therefore, are required when distributing this test report. Test results obtained represent the actual value of the tested specimens and do not constitute opinion, endorsement or certification by this laboratory.

REVISION HISTORY:

11/28/2022: Initial report release

*******END REPORT*******

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