

CLIENT: **Sports Surfaces LLC**
12851 SW 133 ST
Miami, Florida 33186

Project No: QA-5523a

Report Date: December 19, 2025

SAMPLE ID: Series: Sonic Guard Acoustic Barrier System

SAMPLE DESCRIPTION: 4'-0" (48") Width x 10'-0" (120") High; See page 3 for full description.

SAMPLING DETAIL: The test sample manufactured by **Sports Surfaces LLC** was submitted directly to QAI by the client. Samples were not independently selected for testing.

DATE OF RECEIPT: Samples were received at the QAI Miami Laboratories on November 24, 2025

TESTING PERIOD: December 19, 2025

TESTING LOCATION: QAI Laboratory (QAI) – Miami, Florida, USA

AUTHORIZATION: QAI proposal number QAI-4933 dated November 17, 2025, signed by Verena Burner, dated November 20, 2025

TEST PROCEDURE: Testing to the following requirements:

- ASTM E90 -09 (reapproved 2016) Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E2235-04 Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods
- ASTM E413-22 Classification for Rating Sound Insulation
- ASTM E1332-16 Standard Classification for Rating Outdoor-Indoor Sound Attenuation

TEST RESULTS: The Sonic Guard Acoustic Barrier System was tested in accordance with the ASTM E90, ASTM E2235, ASTM E413, and ASTM E1332 and achieved an STC31/OITC26.

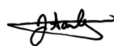
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Prepared By

Lusinda Delgado

Lusinda Delgado
Technical Report Writer

Signed for and on behalf of QAI Laboratories



Digitally signed by Jose
Sanchez
Date: 2025.12.19 16:16:21
-05'00'

Jose Sanchez
Operation Manager

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Technician:
Ian McGinley

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DESCRIPTION OF SAMPLE

Model Designation:	Sonic Guard Acoustic Barrier System
Overall Size:	4'-0" (48") Width x 10'-0" (120") High

Panel Construction

Layer	Material	Function
Outer Shell	UV-Stabilized Polymer	Weatherproof & color-protected exterior
Acoustic Core	Fiberglass-Reinforced PVC	Main sound-absorbing structure
Internal Matrix	Perforated Polymer Web	Traps and converts sound energy into heat
Backing Seal	Dustproof / Anti-Fungal Film	Prevents water, mold, and dirt penetration

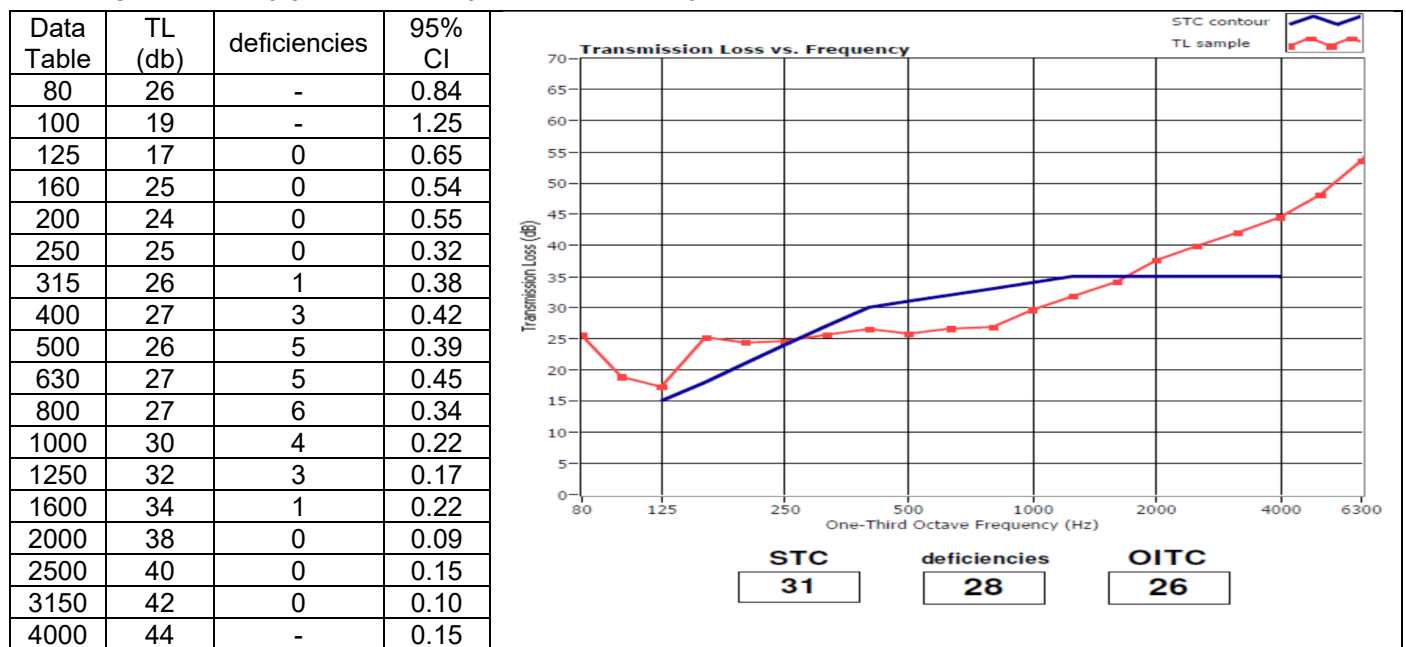
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Equipment			
Instrument	Manufacture	Model	Description
Pressure microphone	Norsonic	1230	Microphone
Oscillating microphone boom	Norsonic	N265	Rotating microphone
Loud speaker	JBL	SR4733X	Speaker
Amplifier system	QSC	RMX1850-HD	Amplifier
Dual band equalizer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

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

Room Conditions: 79.5 °F R.H: 57% ATM: 1017 hPa



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Notes

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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.

Test Procedure

Samples were installed in a 120 1/2" by 48 1/2" wall opening and were approximately 1/2" from flush with the receive room side of the wall. A filler panel was installed in the wall opening and a sound transmission loss test was initially performed on the wall. Duct seal was used to seal the interior and exterior of the test samples to the wall opening.

The sensitivity of the microphones was checked with a calibrator before testing was performed.

The sound transmission loss values were obtained for a single direction.

Five measurements were conducted for the sound pressure level, background noise and sound absorption. Measurements were collected at each rotating microphone.

Data for flanking limit tests, repeatability measurements and reference specimen tests are available on request.

REVISION HISTORY:

12/19/2025: Initial report release

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

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