



REPORT

3933 US ROUTE 11 CORTLAND, NEW YORK 13045

Order No. 3191397

Date: October 27, 2009

REPORT NO. 3191397CRT-002

**FIELD SOUND TRANSMISSION LOSS TEST AND
CLASSIFICATION OF CERAMIC TILES INSTALLED ON
INSULAYMENT UNDERLAYMENT OVER A
CONCRETE FLOOR/CEILING CONSTRUCTION**

RENDERED TO

**MP GLOBAL PRODUCTS LLC
2500 OLD HADAR ROAD
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NORFOLK, NE 68702**

INTRODUCTION

This report gives the results of a Field Sound Transmission Loss Test and Classification of Ceramic Tiles installed on Insulayment Underlayment over a concrete floor/ceiling construction. The testing was performed in a multi-level building (under construction) between units 205 (on the 2nd floor) and 105 (on the 1st floor) located at SATIRI, 1045 NE 11th Ave., Fort Lauderdale, FL.

AUTHORIZATION

Signed Intertek Quotation No. 500181125.

TEST METHOD

The test was conducted in general accordance with the American Society for Testing and Materials designations ASTM E336-09, "Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings", and classified in accordance with ASTM E413-04, entitled, "Classification for Rating Sound Insulation".

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TEST METHOD – Cont'd.

The purpose of the Apparent Sound Transmission Class (ASTC) is to provide a single figure rating that can be used for comparing the sound-insulating properties of partition elements used for general building design purposes. The higher the (ASTC) the greater the sound insulating properties of the partition.

INSTRUMENTATION

Bruel & Kjaer Type 2 143 Real-Time Frequency Analyzer (Serial No. 1755273) Calibration due 08/27/10

Bruel & Kjaer Model 4176 Microphone (Serial No. 1485750) Calibration due 03/24/10

Bruel & Kjaer Type 4231 Calibrator (Serial No. 2130586) Calibration due 03/23/10

DESCRIPTION OF FLOORING AND ASSEMBLY

The test specimen from top to bottom, as described by the client and the building contractor, consisted of:

- Ceramic Tiles (nominal 12 inch square) installed over the entire floor area using thin set
- Insulation Underlayment
- 6 inch thick concrete
- Textured ceiling paint

The area of the floor/ceiling separation of the tested rooms was 36.2 m². The receiving room had a volume of approximately 72.2 m³ with sheetrock walls and a wood floor. There were no furnishings in the rooms.

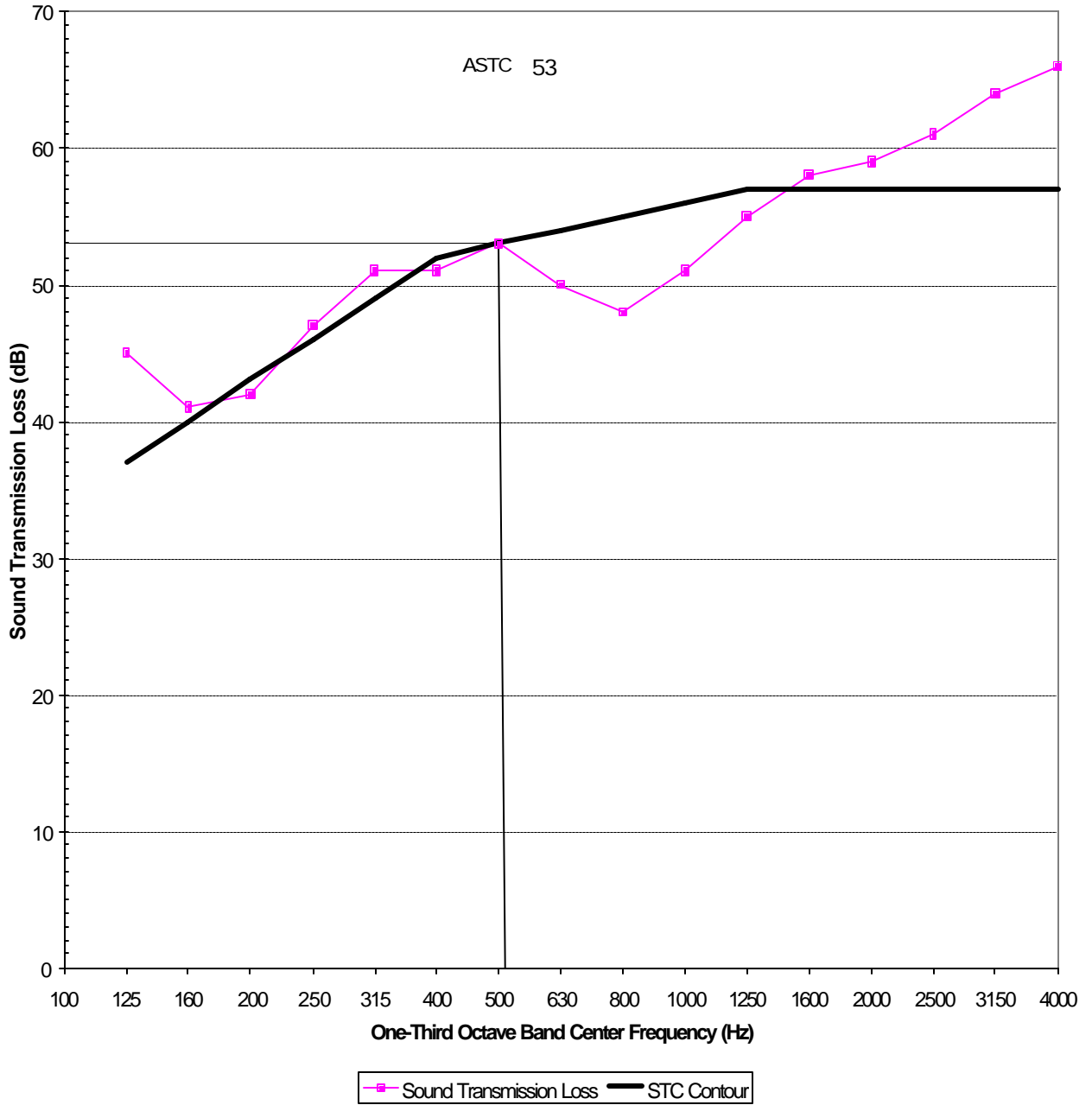


RESULTS OF TEST

<u>1/3 Octave Band Center Frequency Hz</u>	<u>Apparent Sound Transmission Loss in dB</u>
125	45
160	41
200	42
250	47
315	51
400	51
500	53
630	50
800	48
1000	51
1250	55
1600	58
2000	59
2500	61
3150	64
4000	66
Apparent Sound Transmission Class (ASTC)	53



Apparent Sound Transmission Loss



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REMARKS

- 1. Curing Period: Unknown
- 2. Ambient Temperature: 81 °F
- 3. Relative Humidity: 66%

CONCLUSION

The test method employed for this test has no pass-fail criteria; therefore, the evaluation of the test results is left to the discretion of the client.

Date of Test: October 27, 2009

Report Approved by:

A handwritten signature in black ink that reads "Brian Cyr".

Brian Cyr
Engineer
Acoustical Testing

Report Reviewed By:

A handwritten signature in black ink that reads "James R. Kline".

James R. Kline
Engineer/Quality Supervisor
Acoustical Testing

Attachments: None