On-Site Acoustic Testing PO Box 145 Pawlet, VT 05761 USA 1-802-233-8700 Office 1-888-445-2666 Toll Free sales@onsiteacoustictesting.com www.onsiteacoustictesting.com



June 11, 2015

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Dear Farid -

Thank you for the opportunity to provide you with this report detailing FIIC (Field Impact Insulation Class) and FSTC (Field Sound Transmission Class) testing that was conducted at a building currently under construction in Delray, Fl.

You will find the testing protocol and results provided on subsequent pages of this document.

Best Regards,

Richard Alan Salz - CEO



FSTC and FIIC Testing Protocol:

- All testing was performed to ASTM specifications
- A Bruel & Kjaer 2270 Analyzer (Serial Number 3002595) running BZ-7228 building acoustics software and associated calibrated 4189 microphone (Serial Number 2846810) was used for the measurements that were conducted.
- A Real Acoustix dodecahedral loudspeakers was used for all indoor acoustic measurements
- A Bruel & Kjaer tapper and associated remote were used for the impact sound source
- The equipment was calibrated before each measurement series by use of a Bruel & Kjaer 4231 Sound Level Calibrator.

Ve certify that Brüel & Kjær -2270D00- as been tested and passed all production te	Serial No. 3002595 ests. confirming compliance with
ne manufacturer's published specification at	the date of the test.
The final test has been performed using calib lational or International Standards or by ratio	prated equipment, traceable to o measurements.
Brüel & Kjær is certified under ISO 9001:200 etained on file and is available for inspection	8 assuring that all test data is upon request.
	Nærum 22-nov-2012
	Jarlan Bjun
Please note that this document is not a calibration certificate.	Torben Bjørn Vice President, Operations

Testing was conducted on Monday, April 27th by Wally Endres, Operations Manager of On-Site



Acoustic Testing.

Below you will find a summary listing of the CLASSIC T FLOOR PANEL, COMPOSITE WITH A 2" CONCRETE TOPPING, tested and their test results.

The address for the residence where the testing was conducted is: 609 Seagate Drive, Delray Beach, Florida 33483.

The date of testing was: April 27, 2015.

At the time of testing, the flooring had not been installed, the testing upper surface consisted of the exposed composite concrete slab.

The CLASSIC T FLOOR modules are built with minimum 18 gauge steel decking, forming a hexagonal steel shape, void inside.

Sending Room	Receiving Room	Test Protocol	Rating	Equivalent Rating
Second Bedroom	First Floor	FIIC	37	IIC 42
Master Bedroom	First Floor	FIIC	31	IIC 36
Second Bedroom	First Floor	FSTC	63	STC 68
Master Bedroom	First Floor	FSTC	60	STC 65





FIIC Second Bedroom to 1st Floor





FIIC Master Bedroom to First Floor





FSTC Second Bedroom to First Floor





FSTC Master Bedroom to First Floor



The following terms are defined below:

STC (Sound Transmission Class) – This is a measure of the airborne noise transmission performance of a wall or floor/ceiling partition. STC refers to the laboratory test known as ASTM E90 (Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements). This test must be performed in a controlled laboratory environment.

FSTC (Field Sound Transmission Class) – This is a measure of the airborne noise transmission performance of a wall or floor/ceiling partition. FSTC refers to the field test known as ASTM E336 (Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings). This test method has been developed to be used in field settings.

IIC (Impact Insulation Class) – This is a measure of the structure borne noise transmission performance of a floor/ceiling partition. IIC refers to the laboratory test known as ASTM E492 (Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine). This test must be performed in a controlled laboratory environment.

FIIC (Field Impact Insulation Class) – This is a measure of the structure borne noise transmission performance of a floor/ceiling partition. FSTC refers to the field test known as ASTM E1007 (Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures). This test method has been developed to be used in field settings.

Please feel free to contact us with any additional questions you might have regarding this report.