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Memo

To: Ben Forrest, Forrest Sound Products
From: Mohamed Ait Allaoua
Date: 8/26/02
Re: FIIC Measurement Results
Quiet Walk & Insulayment Pad Underlayments

This memo presents the results of the Field Impact Insulation Class (FIIC) measurements conducted on engineered hardwood floor and limestone tile using Quiet Walk and Insulayment pad underlayments. The test measurements were conducted on August 11th, 2002 at the Bellora Condominiums at 2716 Elliot Avenue in Seattle.

1. Description of Test Environment

The floor/ceiling assembly consisted of a 7-inch thick concrete slab. The source and the receiving rooms were identical with the receiving room located directly below the source room. The volume of each room was approximately 1100 ft³. Since the volume of the receiving room was less than 1400 ft³, these field measurements are deemed acceptable down to 160 Hz.

2. Description of Test Specimens

Engineered Hardwood

The test specimens consisted of: engineered hardwood on top of Quiet Walk, and engineered hardwood on top of Insulayment. The floor/ceiling was 7-inch concrete slab. The engineered hardwood and the Quiet Walk were free floating. The Insulayment was set using Ultra/Flex2 Polymer-modified One Step mortar, and the engineered hardwood was free floating. The test specimens were 4 feet x 4 feet.

3. Measurement Methodology

Equipment and instrumentation used for the measurements included a Scantek tapping machine, a JBL amplified loudspeaker, and a Larson-Davis 2900 real-time analyzer. FIIC measurements were conducted by placing the calibrated tapping machine on the test specimen and measuring the resulting sound levels in the receiving room below. The measured sound levels were then adjusted based on the room absorption. This measurement technique followed the ASTM designation: E1007 procedures. Additional measurements were conducted in the receiving room to determine the ambient noise level and the FIIC of the 7-inch concrete slab without any finish floor.

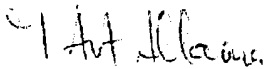
4. Measurement Results

The results of the measurements are shown in the table below. The corresponding FIIC contours are shown in the attached figures. The 7-inch concrete slab was measured to be a FIIC of 35.

Table 1
Field Impact Insulation (FIIC)

| Product Underlayments | Finish Floor |
|-----------------------|---------------------|
| | Engineered Hardwood |
| Quiet Walk | 60 |
| Insulayment | 57 |

Sincerely yours,
SSA Acoustics LLP



Mohamed Ait Allaoua
Acoustical Consultant