



SSA

Stewart · Ait Allaoua · Perkins

UDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTI
USTIC THEATRE AUDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTICS THEATRE AL
ATR AUDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL
UDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTICS THEATRE AUDIO/VISUAL ACOUSTIK

TEST REPORT

for

The Heim Residence
601 Belmont Ave. E
Unit A3
Seattle, Washington 98102

Impact Insulation Class Test
ASTM E1007 – 97 / ASTM E989 – 89

On

Engineered Hardwood over 6" concrete slab
(Living Room)

Test Date: 09-27-05
Report Date: 09-29-05
Test Number: 05-1559-1

Submitted by:



John C. Keiffer
Acoustical Consultant

Test Method: This test method is in accordance with American National Society for Testing and Materials Standard designation: E1007 Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures to determine the Field IIC as per ASTM E989 Standard Classification for Determination of Impact Insulation Class (IIC).

Equipment and instrumentation used for the measurements included a Norsonic tapping machine and a Larson-Davis 2900B Type 1 real-time sound level meter (serial no. 0990, calibration March 24, 2005). Calibration was with a Larson Davis CAL200 serial number 2306 (calibration November 16, 2004). This measurement technique followed all applicable ASTM standards.

Specimen Description: Engineered Bamboo type Eng Moso SW-Ch, HG Carb, P-Core supplied by Bamboo Hardwoods. Flooring installed on 3/8" thick Redupax underlayment as a floating system. Sub-floor is understood to be composed of 6 inches of concrete without a suspended ceiling in the unit below. Test conducted in the Living Room area and source and receiving spaces are stack units. Perimeter isolation strips were installed allowing for at least 1/4" gap between the wall and flooring.

Specimen Size: Product was installed in the Living Room area over entire floor surface. Base boards were not installed at the time of measurements.

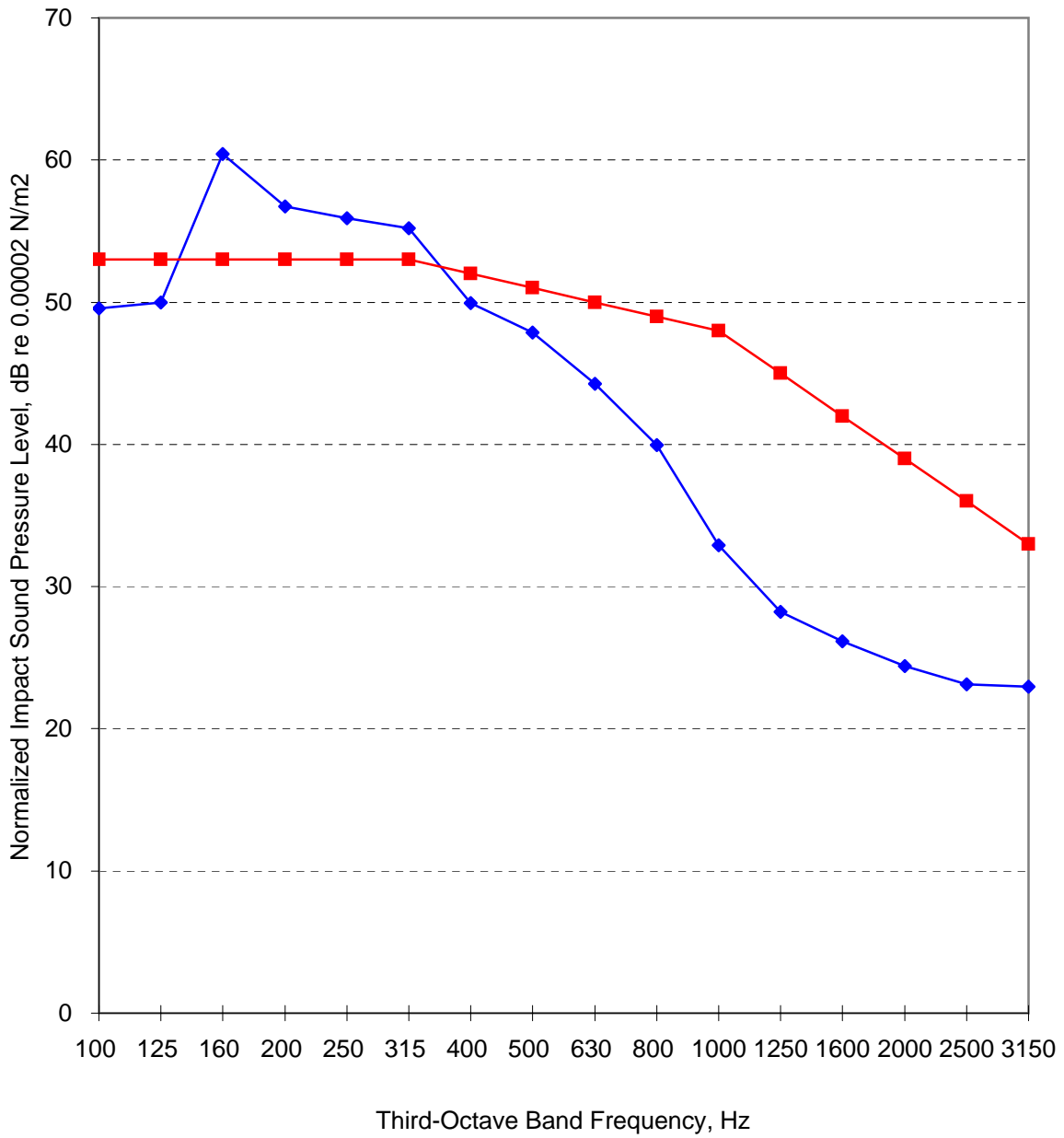
Conditioning: N/A

Test Results: FIIC = 59
Chart is provided on the following page

FIIC
Unit A3

Source: Living Room - Wood
Receiver: Unit A2 Living Room

FIIC: 59



—◆— Impact SPL Curve —■— Limiting IIC Contour