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
(Dining Room)

Test Date: 09-27-05
Report Date: 09-29-05
Test Number: 05-1559-2

Submitted by: John C. Keiffer
Acoustical Consultant

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 Dining Room area and source and receiving spaces are stack units. Perimeter isolation strips were installed allowing for at least ¼” gap between the wall and flooring.

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

**Conditioning:** N/A

**Test Results:** FIIC = 60
Chart is provided on the following page
FIIC

Unit A3

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

FIIC: 60

Normalized Impact Sound Pressure Level, dB re 0.00002 N/m²

Impact SPL Curve
Limiting IIC Contour