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July 27, 2002

FIELD IMPACT INSULATION CLASS (FIIC) REPORT

TEST DATE: June 9, 2002

LOCATION: Bellora Condominiums, 2716 Elliot Avenue Seattle, WA

TEST SPECIMEN: Engineered Wood Floor over Soundeater

FIIC: 61

TEST SPECIMEN:

The floor/ceiling assembly consisted of Engineered Hardwood over Soundeater on 7-1/2" concrete slab.

MEASUREMENT AND RESULTS PROCEDURE

The procedure used in the test was made in conformance with ASTM Designations E1007-97, "Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Supported Structures." The FIIC value was determined using the typical IIC contour from ASTM Designation E989-89, "Standard Classification for Determination of Impact Insulation Class (IIC)."

TEST EQUIPMENT

- 1) Larson Davis Model 2900B Real Time Sound Level Meter S/N 0990
- 2) Larson Davis Microphone Model 2559 S/N 2757
- 3) Larson Davis PreAmp Model 900C S/N 0690
- 4) Larson Davis Calibrator Model CAL200 S/N 2306
- 5) Scantek Tapping Machine Type 211 No. 20487
- 6) JBL Speaker No. 1562-01284

MEASUREMENT RESULTS

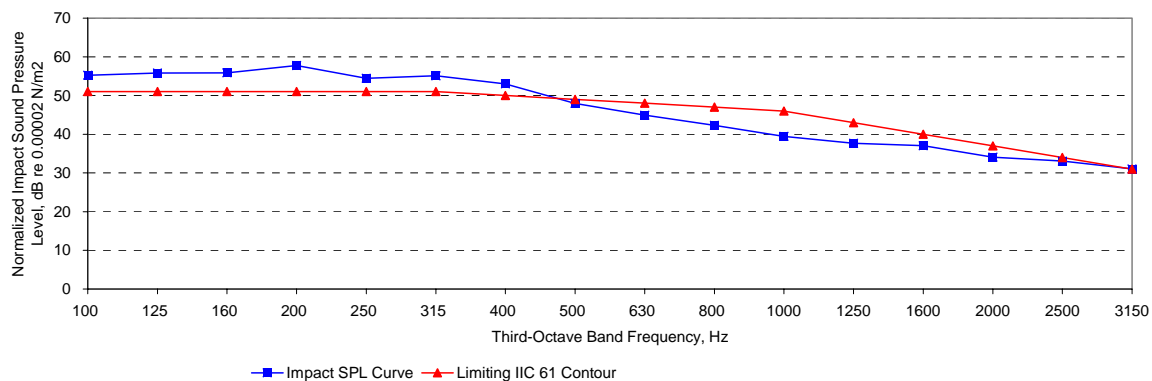
The Field Impact Insulation Class (FIIC) of the floor/ ceiling assembly was computed in accordance with ASTM E989-89 and ASTM E492-90 and was found to be **61**. A graphical and tabular presentation of the data is shown in the following pages.

Freq. (Hz)	L_n (dB)	Def. (dB)	Freq. (Hz)	L_n (dB)	Def. (dB)
100	57	4	630	46	0
125	58	5	800	44	0
160	58	5	1000	42	0
200	59	7	1250	40	0
250	57	3	1600	39	0
315	56	4	2000	36	0
400	54	3	2500	34	0
500	49	0	3150	33	0

Abbreviation Notes:

- Freq. - 1/3 Octave Band Center Frequencies in hertz
 L_n - Normalized Impact Sound Pressure Level in decibel
 Def. - Deficiencies

Field Impact Insulation Class (FIIC)
 Bellora Condominiums
 Engineered Hardwood over Soundeater



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