



**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.

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 February 24, 2009). Calibration was with a Larson Davis CAL200 serial number 2306. This measurement technique followed that described in the above mentioned ASTM standards.

**Specimen Description:** Test was conducted in Unit 204 Dining Room located over the Dining/Den/Foyer area of Unit 203 having a volume of approximately 2560 cubic feet.

Ceramic Tile  
SoundSeal CeraZorb  
3-inch concrete subfloor (Hambro System)  
16-inch deep steel floor joists.  
7/8-inch furring channels (25 gauge) at 24-inch o.c.  
Single layer of 5/8-inch Type "C" Gypsum ceiling with textured finish

**Specimen Size:** Sample was delivered and installed with a minimum size of 4'x4'

**Conditioning:** A period of at least 48 hrs was allowed for grout and thinset to cure.

**Test Results:** FIIC = 55  
 $\Delta = 23$   
Chart is provided on the following page

# Field Impact Insulation Class (FIIC)

Sweetwater Condominiums

Source: Unit 204 Dining Room

Receiver: Unit 203 Den/Foyer/Dining

Flooring Assembly: Ceramic Tile on CeraZorb



**FIIC: 55**

