REPORT

3933 US ROUTE 11 CORTLAND, NEW YORK 13045

Order No. 105030300 Date: January 29, 2026

REPORT NO. 105030300CRT-015a

**IMPACT SOUND TRANSMISSION TEST AND CLASSIFICATION OF
TEST NUMBER #325543
ID: CREATION 70 CLIC FLOORING
OVER A SIX INCH CONCRETE SLAB WITH A DROP CEILING**

RENDERED TO

GERFLOR THE FLOORING GROUP - FRANCE

INTRODUCTION

This report gives the result of an impact Sound Transmission test on flooring. The sample was selected and supplied by the client and received at the laboratories on January 7, 2026. The material appeared to be in new, unused condition upon arrival.

AUTHORIZATION

Signed Intertek Quotation No. Qu-01491991-0

TEST METHOD

The floor system was tested in general accordance with the American Society for Testing and Materials designation ASTM E492-25, "Standard Test Method for Laboratory Measurement of Impact Sound Transmission through Floor-Ceiling Assemblies Using the Tapping Machine". It was classified in accordance with ASTM E989-21, entitled "Standard Classification for Determination of Single-Number Metrics for Impact Noise."

GENERAL

The test method is designed to measure the impact sound transmission performance of a floor-celing assembly, in a controlled laboratory environment. A standard tapping machine (Bruel & Kjaer Type 3207) was placed at four positions on the test floor that forms the horizontal separation between two rooms, one directly above the other. The data obtained was normalized to a reference room absorption of 10 square meters in accordance with the test method.

The standard also prescribes a single-figure classification rating called "Impact Insulation Class, IIC" which can be used by architects, builders, and code authorities for acoustical design purposes in building construction.

The IIC is obtained by matching a standard reference contour to the plotted normalized one-third octave band sound pressure levels at each test frequency. The greater the IIC rating, the lower the impact sound transmission through the floor-ceiling assembly.

INSTRUMENTATION

Equipment	Calibration Date	Calibration Due	Brand	Model	Asset
Microphone/Pre - DF	May 5, 2025	May 5, 2026	Brüel & Kjaer	4942	E450
Microphone	May 5, 2025	May 5, 2026	Brüel & Kjaer	4231	A227
Pulse Analyzer	May 5, 2025	May 5, 2026	Brüel & Kjaer	3110	E495

DESCRIPTION OF THE TEST SPECIMEN

The test speciment consisted of Test # 325543 ID: Creation 70 Clic Flooring. The locking plank samples measured 8.5 inches wide by 48.75 inches long, nominally 0.20 inches thick, and weighed 1.56 pounds per square foot. Pictures of the test set-up are included at the end of this report.

DESCRIPTION OF THE FLOOR/CEILING ASSEMBLY

The floor/ceiling assembly system consisted of a 6 inch thick concrete floor with a drop ceiling below forming the horizontal separation between two rooms, one directly above the other. The drop ceiling consisted of 14 inch deep steel bar joists spaced 38 inches on center. The ceiling construction consisted of 2 x 4 inch wood bolted to the bar joists. The 2 x 4 inch wood was spaced 24 inches on center. Resilient channels (1/2 inch single leaf) were positioned on 16 inch centers between the furring strips and the 1/2 inch gypsum board. Sound attenuation batts (U.S.G. Thermofiber), four (4) inches in thickness were placed between the joists in the formed cavity. The receiving room below measured 1440 cubic feet.

RESULTS OF TEST

The data obtained in the room below the panel normalized to A_O = 10 square meters, is as follows:

1/3 Octave Band Center Frequency Hz	**TEST NUMBER #325543 ID: CREATION 70 CLIC FLOORING** 1/3 Octave Band Sound Pressure Level dB (re: 20 µPa)
100	58
125	58
160	59
200	62
250	60
315	60
400	59
500	59
630	58
800	58
1000	59
1250	60
1600	59
2000	59
2500	57
3150	52
Impact Insulation Class (IIC)	46

PRECISION

The 95% uncertainty level for each tapping machine location is less than 3 dB for the 1/3 octave bands centered in the range from 100 to 400 Hz and less than 2.5 dB for the bands centered in the range from 500 to 3150 Hz.

For the floor/ceiling construction, the 95% uncertainty limits (ΔL_n) for the normalized sound pressure levels were determined to be less than 2 dB for the 1/3 octave bands centered in the range from 100 to 3150 Hz.

RESULTS OF TEST

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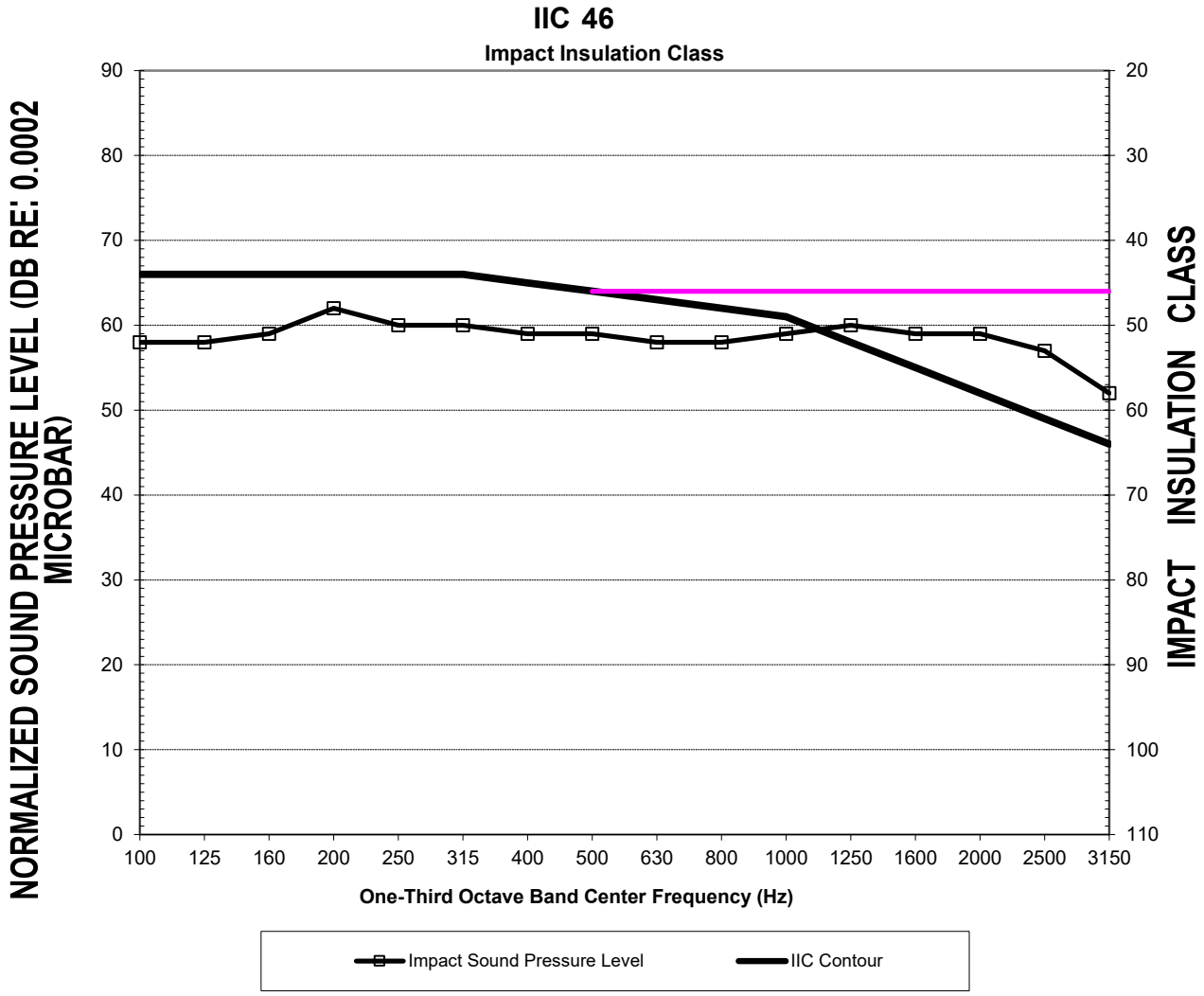

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REMARKS

1. Ambient Temperature: 70°F

2. Relative Humidity: 50%

CONCLUSION

The test method employed for this test has no pass/fail criteria; therefore , the evaluation of the test results is left to the discretion of the client.

Date of Test: January 29, 2026

Report Approved by:

Joey Esce
Project Engineer
Acoustical Testing

Brian Cyr
Staff Engineer
Acoustical Testing

TEST PHOTO