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NOISE LAB
Reffering to REPORT Number A-2019LAB-024-H541-42956_E

ANNEX ASTM: results according ASTM standards

This annex to reffering report (see above) is **not** under ISO 17025 accreditation.
It contains the calculated results of the laboratory measurement of airborne sound transmission, according ASTM standards.

Standard method

The normalised impact sound pressure level Ln and the reduction of sound pressure level (improvement of impact sound insulation) were measured approaching to the standards ASTM E492-09 and E2179-03(2009).

Single rating numbers

Evaluation according to ASTM E2179-03(2009) and E989-06(2012) defines single-number ratings, IIC_c for the impact insulation class of floors and ΔIIC for the improvement in impact insulation class of floor coverings and floating floors from the results of measurements carried out in accordance with ASTM E492-09 and E2179-03(2009).
The values obtained in accordance with ASTM E492-09 are compared with reference values at the frequencies of measurement within the range 100Hz to 3150 Hz for measurements in one-third octave bands. The calculation of the single-value indicator can not be summarised in a few lines. See standards ASTM E2179-03(2009) and E989-06(2012).

Test arrangement

For info concerning the measuring equipment, environmental conditions during the test, test set-up, description of product: see reffering report mentioned above).

MEASUREMENT AND CALCULATION DETAILS

The results as presented here relate only to the tested items and laboratory conditions as described in the reffering report.

Results for single number ratings according to following ASTM standards:

According to ASTM E492-09 & E989-06 (2012)

* Impact Insulation Class IIC	**IIC:**	**68 dB**

According to ASTM E2179-03 & E989-06 (2012)

* Impact Insulation Class IICc	**IIC_c:**	**62 dB**
* Improvement in Impact Insulation Class ΔIIC	**ΔIIC:**	**34 dB**