

Accredited field (see www.latak.lv)

IMPACT NOISE SOUND INSULATION MEASUREMENTS (in situ)

STANDARD LVS EN ISO 140-7:2000:

Acoustics. Building and building element sound insulation measurements. Field measurements of noise impact resistance of floors.

Measured parameters :

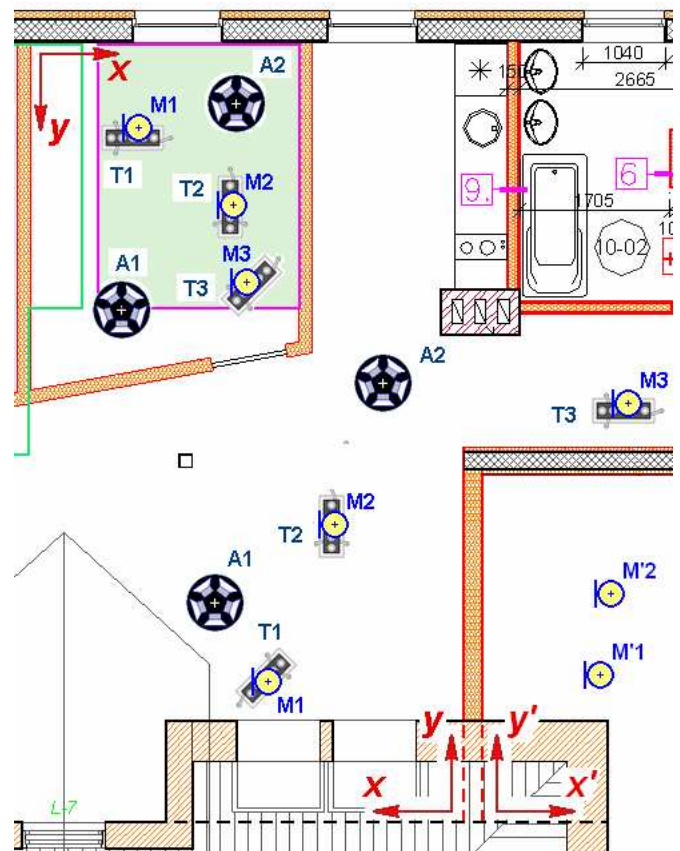
- L'_n – Normalised impact noise level in operational conditions in $\frac{1}{3}$ octave bands
- L'_{nT} – Standardised impact noise level in operational conditions in $\frac{1}{3}$ octave bands

Calculable parameters (in accordance with standard LVS EN ISO 717-2) :

- $L'_{n,w}$ – reduced impact noise level in operational conditions
- $C_{I, 50-2500}$ – impact noise level spectral correction with expanded range up to 50 Hz

Construction standard LBN 016-11 „Building acoustics” limits parameter borderline values for enclosing constructions with sound transmission into structure (coverings, floors between apartments, from stairs to apartment etc.) for different building types (A,B,C and D). It is possible to evaluate construction conformity with requirements of specific building type using measured $L'_{n,w}$ and $L'_{n,w} + C_{I, 50-2500}$ values.

Measurement situation example



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Measurement result example (given in measurement report with LATAK logo)

