

This calculator is designed to estimate the reverberation time of the room depending on its purpose, and to preselect required quantity of sound absorbing materials and constructions.

Calculations are based on online input. Results are displayed on a diagram.

Calculations are performed in accordance with the methodology and requirements of the following standards:

- SNiP 23-03-2003 "Noise protection" Standard, 2004
- DIN 18041 Acoustical quality in small to medium-sized rooms, 2004
- EBU Tech. 3276 – Listening conditions for sound programme, 2004
- IEC 60268-13 (2nd edition) Sound system equipment - Part 13, 1998

Sound absorption characteristics of the acoustic and constructional materials are taken from the corresponding reference books.

This service is in no way a substitute to the precise engineering computation performed by a specialist in the field of building physics or an acoustic consultant for every particular case.

The calculator may not be used for commercial purposes. It is an auxiliary instrument for choosing materials for acoustic treatment of the room.

The method of calculation was designed and checked thoroughly, however there is a possibility of some mistakes to occur.

The service of calculation with this calculator is provided "as is", with no guarantees of accuracy of calculations or result interpretation.

In particular, any liability for the possible damage (e.g., incorrect planning of required quantity of sound absorbing materials) and circumstantial loss, which may be caused by using results of calculation or by data or information obtained after calculation, is excluded.