STÁTNÍ ZKUŠEBNA ZEMĚDĚLSKÝCH, POTRAVINÁŘSKÝCH A LESNICKÝCH STROJŮ, a.s.

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BUILDING ACOUSTICS

The field of building acoustics solves problems related to the protection of buildings and their users against the harmful effects of noise. This is primarily the problem of sound insulation properties of the interior and perimeter partition structures, noisiness of the sanitary and technical building facility and the implementation of urban acoustics in terms of protection against traffic noise. In cases of more complicated structures with side routes of noise propagation, a measuring method is the only approach for obtaining reliable data on the true sound insulation properties.

WE PERFORM MEASUREMENTS IN THE FIELD OF BUILDING ACOUSTICS

Measurements of the sound insulation of building constructions and in buildings:

- Measuring the air sound insulation property between rooms in buildings;
- Measuring the sound insulation of perimeter walls and their parts in buildings;
- Measuring the impact sound insulation of floor structures in buildings.

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MEASUREMENTS ARE PERFORMED ACCORDING TO STANDARDS

- EN ISO 140-4
- EN ISO 140-5
- EN ISO 140-7

OUTPUT DOCUMENT

The results of the measurements are used for control and demonstration acoustic properties achieved in buildings , for example during approval procedures etc. The measurements concern habitable rooms in buildings, stair spaces, attic spaces, stores, service premises, medical facilities, restaurants, bakeries, kitchens, schools, offices, workshops, rooms, hotels, hospitals, libraries, production premises, etc. The output document is a test report of an accredited testing laboratory assessing the result according to EN ISO 717-1, EN ISO 717-2 EN ISO 717-2 and ČSN 73 0532.