

EKOS

Previsional software



EKOS is a scientific software, designed by Hextra society and internationally distributed, that improves UNI EN 12354-1/2/3 laws for prevision calculation of passive acoustical requirements according with DPCM 05/12/1997. The software also use avant-garde analytic methodologies to simulate acoustics performances simulation of complex stratigraphy.

EKOS allows to perform calculations for building acoustic test and to create calculation reports with only one click.

HOW DOES IT WORKS

1) Stratigraphies design

Carry out acoustic simulation of multi-layered walls. The intuitive interface allows to determine the soundproofing power of simple walls, double layer walls, walls with insulation layers and ceilings with counter ceilings.

2) UNI EN 12354 building design

Carry out 12354-1/2/3 compliant building acoustic design, with DPCM 05/12/1997 passive acoustic requirements calculation. Integration with the stratigraphies design module allows for generation of a complete technical report with just one click, drastically reducing time spent to carry out the designing phase.

3) DCPM 05/12/1997 building testing

Carry out acoustic testing of buildings, starting from phonometric data from passive acoustic requirements compliant to DCPM 05/12/1997. Thanks to integrated Excel copy & paste functionality, and the possibility to import data from the building design module, the conformity verification lasts but a few moments.

Building acoustic performance prevision

- UNI EN 12354-1/2
- SEA Methodology
- PIM (Progressive Impedance Method)
- PEIM (Progressive Equivalence Impedance Method)

Passive acoustic requirements verification of buildings

- UNI EN 12354-1/2/3
- UNI EN ISO 717-1/2

Building acoustics test

- ISO 140-4/5/7

Building acoustics classification

- UNI 11367:2010

Report generation

- Report generation in RTF format
- Acoustics report generation for passive acoustics requirements verification for building
- Acoustics report generation for acoustics test of buildings

COMPANY IDENTITY

Ntek is specialized in products and services for noise and vibration measurement and control, in all applicable acoustic fields. The company has been able to improve in designing, developing and producing solutions that mix simplicity, portability and user-friendly products with excellent quality.

Ntek main goal is to supply a qualified service with a complete range of products delivered on time in order to guarantee its customers the chance to focus on their business.

To keep this promise we have strongly invested in innovation and production process with monitoring procedures certified by independent primary authority.

OUR VISION

We believe that acoustics is the basis of wellness and improvement of life quality. It's for this reason that we develop, innovate and produce equipment inspired to this philosophy.

HOW WE WORK

Ntek can ensure a high level of service, thanks to modern processes and new laboratories, completely equipped for different operations of design, production, measurement, check and control.

INTERNAL LOGISTICS AND STOCK

With its new operative location of 500 m² and its internal stock, Ntek guarantees available products in a short time according to customers' needs.

Today we can handle an order in 48 hours compared with a standard delivery of 45/60 days.

The new location is structured to be flexible with logistics activities and in answering efficiently to productive needs of our customers.

SUSTAINABILITY

Green company, environmentally friendly, aimed to a continuous improvement of quality and safety in industrial processes.

Ntek

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