ZORBA

Software for prediction of sound absorption

ZORBA is software for prediction of the sound absorption of building elements. The software can calculate sound absorption of:

- One- and two-layered porous absorbents. The only input that is needed is thickness and flow resistivity.
- Slat absorbers on one- or two-layered porous absorbers. Variable dimensions of slats and ribs.
- Slot absorbers on one- or two-layered porous absorbers. Variable dimensions of slots and ribs
- Perforated facings on one- or two-layered porous absorbers. Variable dimensions of perforation
- Panel absorbers on one- or two-layered porous absorbers. Variable dimensions of panel.
- Acoustic blanket

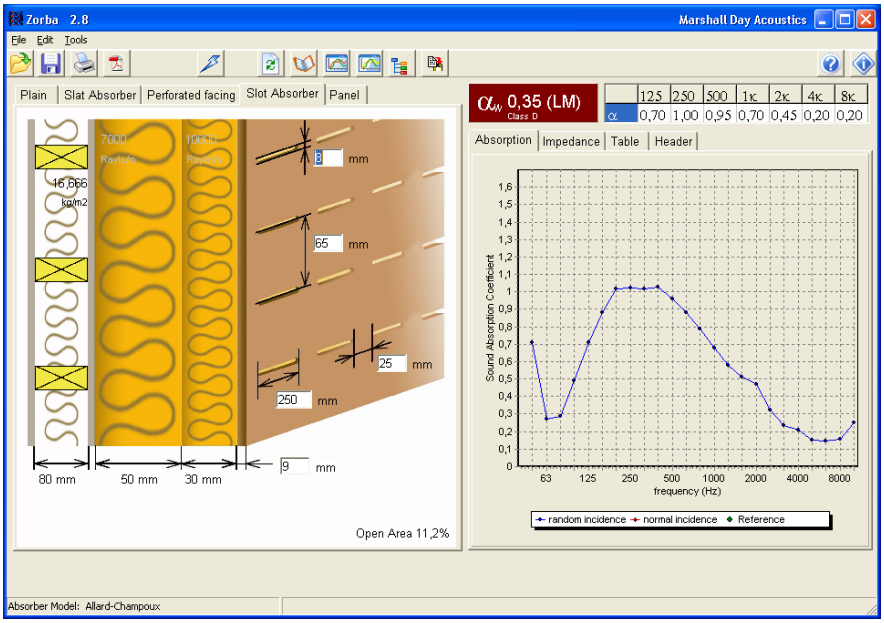
The predictions are based on analytical calculations that only need simple data for the design.

The software calculates the statistical absorption coefficient in third octave bands with random or normal angle of incidence and the complex acoustic impedance. It also can predict the transmission loss of porous material.

For deeper analysis the software includes nine different propagation models.

Data can be exported to Word, Excel or as pdf.

ZORBA is a powerful tool for fast and accurate design of absorption characteristics that meets the demands of most applications.



Vibraphon
Helgavägen 16
187 77 Täby
Sweden
Tel +46 70 148 44 67

Contact Bengt Johansson for a demo version or a demonstration

info@vibraphon.se

http://www.vibraphon.se