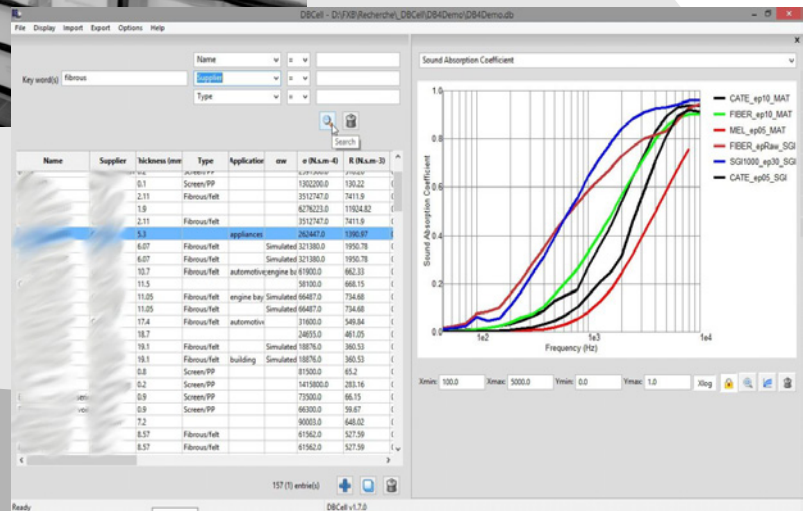




Order your material database  
and much more



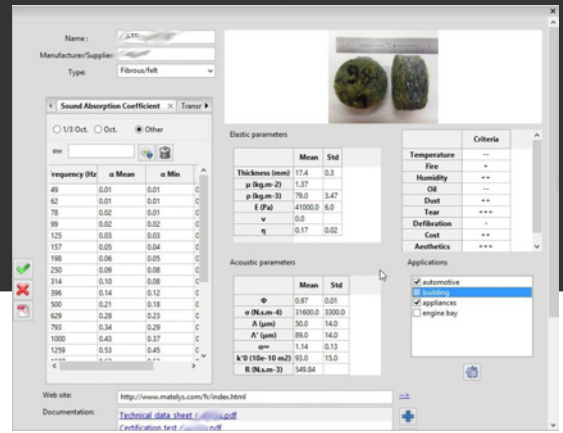
DBCell is a material database tool dedicated to **vibro-acoustic applications**

It includes

- **complementary customized specifications**
- **data comparison**
- **standard deviation** management with envelope visualisation
- **export** to several modeling tools

DBCell aims at supporting the dialogue between engineers, chemists and commercial staff.

*Prepare to be MATELYS approved !*



## Dedicated to vibro-acoustic applications

- parameters for **vibro-acoustic** simulations
  - JCA / JCAL model parameters
  - **elastic** and **damping** parameters
- min/max values, **standard deviations**
- **frequency** data for :
  - sound **absorption** coefficient
  - sound **transmission** loss
  - surface **impedance**
- **single rating** values



Name	Supplier	Reference	Type	Application	min	max	std	min	max	std	min	max	std	min	max	std	min	max	std
..._p1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

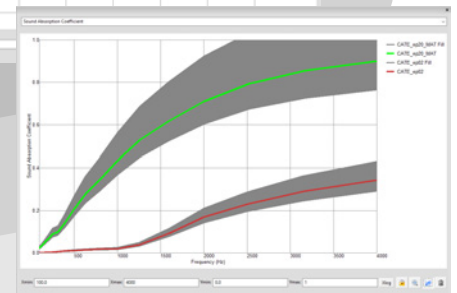
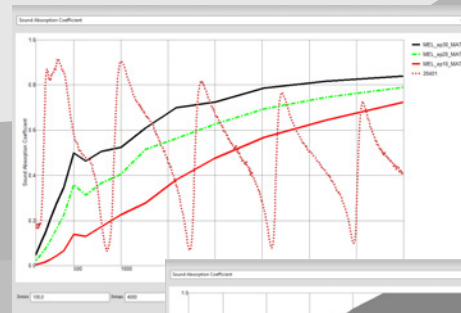
## Handy daily management

- **copy/paste** selection or input
- **customized display** view
- customized **material** types
- customized **application** types
- **complementary criteria** : humidity, tearing, heat management, cost...



## A versatile dialogue platform

- **merging / extraction** of sub-database
- **contextual** search tool
- **protected** material database
- searchable database for **batch computations**
- **picture, brochure, data sheet**
- **url links, keywords, comments**

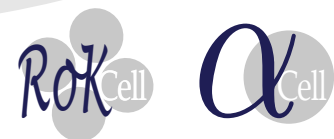


## Import from ...

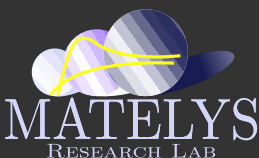
- Tabulated files
- *AlphaCell* material **library** (component level modeling)
- *RokCell* **characterisation** for porous material and liners
- on-demand **formats**

## Export to ...

- PDF material datasheet
- companion computation tools like *AlphaCell*, *Vibratec-Sonor*, *MSC-Actran*, *ESI-VA-One*



MATELYS also provides **characterization** and **modeling** services ...



DBCell is a software product designed and developed by MATELYS-Research Lab in the framework of the French research project EcOBEx

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