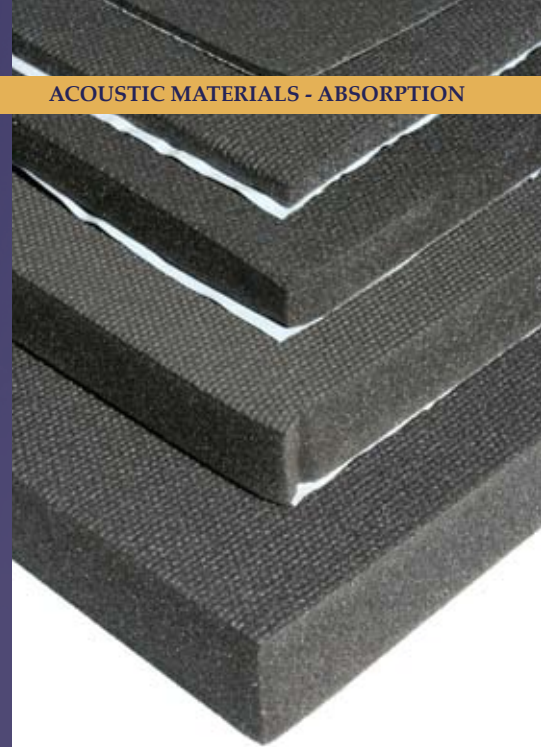


TECNOCELL

Universally applicable soundabsorbing foam plastic, with a densified, embossed top layer. TecnoCell has an attractive appearance and good dust- and dirtshedding properties. The top layer ensures that the <1000 Hz sound absorption characteristics are 20% - 35% better than conventional absorption materials.



Applications

TecnoCell is universally applicable in, for example, air ducts, air treatment units, computers, printer covers, casings, machine rooms, etc. In engine rooms and similar spaces, we recommend using a version fitted with an oil and moisture resistant foil coating such as Acusticab, Merfocell PU or Merfocell GW.

Sound absorption

13 mm: NRC = 0,40; $\alpha_w = 0,30$

51 mm: NRC = 0,70; $\alpha_w = 0,70$

NRC and α_w values of other thicknesses available on request.

The sound absorption is shown in the chart. The absorption values are measured according to EN 354 : 2003.

Fire-classification

Self-extinguishing according to: ISO 3795 V < 100mm / 1

Dimensions

Sheet size: 1200 x 1000 mm. Thicknesses available from stock: 13, 38 en 51 mm (see pricelist). Other sizes, thicknesses or on roll available on request.

Weight

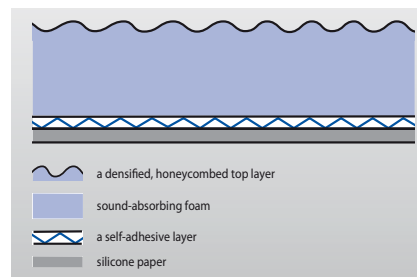
Density: 25 kg/m³

Shape, appearance and colour

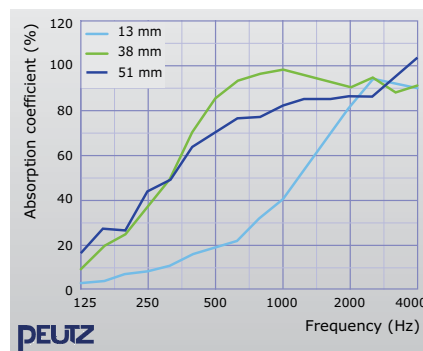
Colour of foam: anthracite grey.

Composition

TecnoCell is an open-celled sound-absorbing foam plastic. The top layer has a densified structure that acts as a membrane, and a honeycombed profile that increases the surface area. TecnoCell's sound-absorbing qualities are therefore far greater than those of acoustic foam without this special texture. Thus, the use of TecnoCell makes the application of thinner material sufficient. The foam is available with or without a self-adhesive glue layer. TecnoCell is especially easy to work with, and has a broad range of applications.



Composition



Sound absorption values

TECNOCELL

Universally applicable sound-absorbing foam plastic

PROPERTIES

- Sound Absorbing
- Embossed decorative top layer
- More efficient in low and middle frequencies

APPLICATIONS

- Air ducts
- Air handling units
- Computers
- Enclosures
- Technical rooms



Fire classification
ISO 3795 V



Sound absorption
See chart



Resistance to liquids

The foam is resistant to water, oil, fuels and many solvents and cleaning agents. Should the foam be saturated with one of the above-mentioned substances for a prolonged period, the self-adhesive glue layer may weaken. After drying however, it will generally recover.

Temperature Resistance

- The foam withstands temperatures from -40 °C to ca. 110 °C
- The self-adhesive glue layer is heat-resistant to ca. 70 °C and adheres exceptionally well to both coated and untreated (smooth) surfaces.

Thermal insulation

Heat conduction coefficient 130J / mh °C.

Other technical specifications

In extreme situations such as heat, moisture or UV-radiation, the foam can disintegrate more rapidly.

Installation

- Easy to cut to size and to shape with a knife, scissors or band-saw, without special tools.
- Easy to install on curved surfaces.
- Surfaces to be covered should be dry and free from dust and grease.

Self-adhesive version:

- Press firmly to prevent air bubbles; do not use on surfaces that get hotter than 70 °C (in connection with the self adhesive);
- Do not use at temperatures below 15 °C (in connection with the self-adhesive);
- Prepare porous or rough surfaces with Select AAC contact glue.

Non-self-adhesive version:

- Glue with Select AAC contact glue.
- See also the Select AAC instruction sheet.



Different thicknesses



Close-up of Tecnocell

Custom solutions

We can manufacture Tecnocell in any desired size or shape, including any cut-aways with our water jet cutter or punching machine. The added costs are returned by faster and simpler installation. Ask us for options and prices!

Disclaimer

The recommendations and information listed in this product sheet are shown as complete and accurate as possible, but offer no guarantees. Check with one of our specialists or perform your own test.