



Tecnocell SA

Applications

Industry

Factory machinery, fans, mills, printing and timber handling equipment, electric generating sets, generators, engines.

Transport and contracting

Scooters, Contractor's and Gardening Machinery.

Health care and large-scale kitchens

Vacuum Cleaners.

Buildings

Lifts and motor rooms.

Office

Computers, printers, picking and enveloping machines, copying machines.

Method of use

The parts are cut or stamped to the required shape and carefully pressed on to a surface that must be free from oil, dirt, and dust.

Product characteristics

Tecnocell SA is a sound absorbing material of foamed polyurethane with open cells.

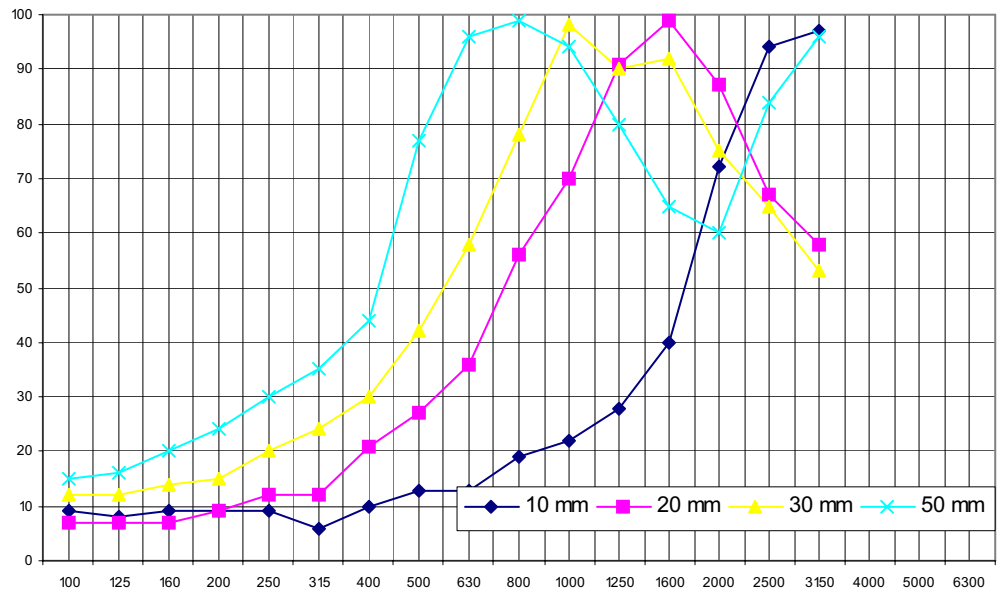
The product is based on Acusticell SA but its surface is embossed and treated for extra ordinary acoustically properties.

The material can be bent and is self-adhesive. Can be combined with a mat for structure-borne sound damping and airborne sound insulation.

Advantages

- ❑ Extra ordinary sound absorption
- ❑ Aesthetically attractive surface
- ❑ Workable, also for 3-D applications
- ❑ Fireresistant

Absorption Coefficient % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to +120°C
Fire class	Certified according to UL94 V-0
Coefficient of thermal conductivity	$\lambda = 0.036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx. 15 N/cm test width
Environmental	Freon and PVC free
Colour	Dark Grey
Thickness	6, 13, 19, 25 or 38 mm (other thicknesses can be supplied on request)
Density	Approx. 33 kg/m ²
Delivery format	1000x1500 mm (other sizes and shapes can be supplied on request)

Experiences

The shaping and positioning of the material is of major importance to achieve an optimal sound-dampening effect.

SONTECH has long experience of practical noise control projects in a wide range of industrial fields. These experiences can be a valuable addition to the laboratory data given in the datasheet.

SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Acusticell	TC
Thickness in mm	6, 13, 19, 25 or 38 mm
Fire class UL94 V-0	SA
Example of order code	TC13SA

