



Acusticell S with Vinyl foil

Applications

Industry

Cabins Factory machinery.

Transport and contracting

Cabins of boats and vehicles, scooters, contractor's and gardening machinery.

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.

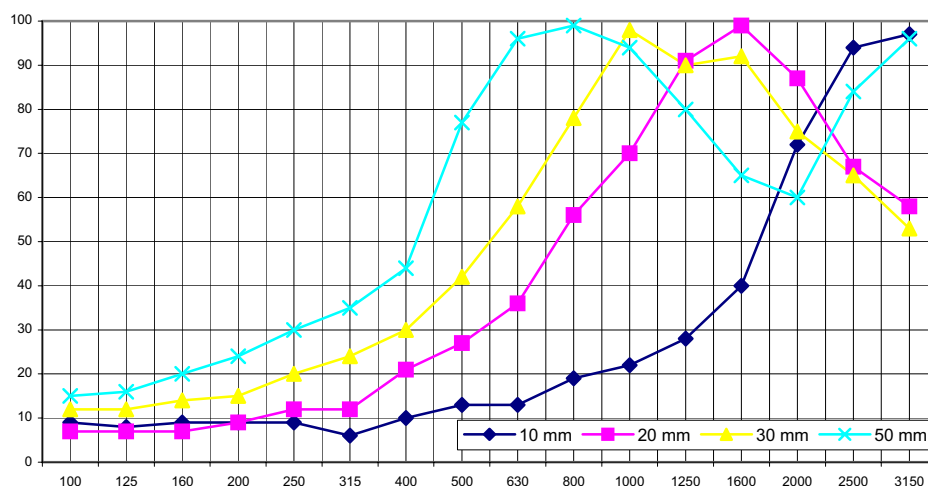
Product characteristics

Acusticell S with Vinyl foil is a sound absorbing material of foamed polyurethane with open cells. The product is based on Acusticell S but its surface is covered with an elastic film of perforated Vinyl. 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

- ❑ Aesthetically attractive surface
- ❑ Resistant to mechanical wear
- ❑ Easy to wash
- ❑ Difficult to ignite

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 110°C
Fire class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Ca 15 N/cm test width
Colour	Grey or Black surface foil
Thickness	10, 20 or 30 mm (other thickness on request)
Environment	Freon free
Density	Approx 25 kg/m ³
Surface foil perforation ratio	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

Acousticcell	AC
Thickness in mm	10,20 or 30
Fire Class FMVSS 302	S
Surface of perforated vinyl foil	VF
Example of Order code	AC20 VF grey

