

Acusticell SA with Urethane film

Applications

Industry

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

Transport and contracting

Engine rooms in boats and vehicles, scooters, contractor's and gardening machinery.

Health care and large-scale kitchens

Sink units, dishwashing machines, roller tables, vacuum cleaners.

Buildings

Lifts and motor rooms.

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.

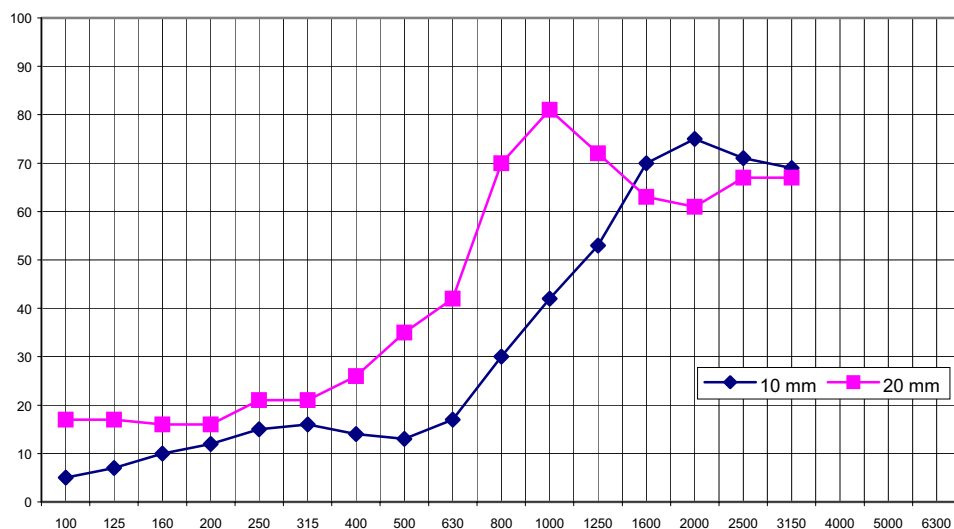
Product characteristics

Acusticell SA with urethane film is a sound absorbing material of foamed polyurethane with open cells. The product is based on Acusticell SA but its surface is covered with an elastic film of urethane. 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
- Film is resistant to petrol and most chemicals
- Repels liquids and moisture
- Easy to wash
- Fire Resistant

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 HF-1
Coefficient of thermal conductivity	$\lambda = 0.036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx. 15 N/cm test width
Colour	Black surface film, grey foam (other colours can be supplied on request)
Thickness	10, 20 or 30 mm (other thickness can be supplied on request)
Surface film thickness	36 μm
Density	Approx. 33 kg/m ²
Delivery format	1000x1400 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

Acoustic cell	AC
Thickness in mm	10, 20 or 30
Fire class UL94 HF-1	SA
Surface of urethane film	UF
Example of order code	AC30SAUF



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