



Acusticab 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, Dish Washers.

Office

Computers, Printers.

Construction

Elevators, Engine Rooms, Walls, Doors, Sound Studios.

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

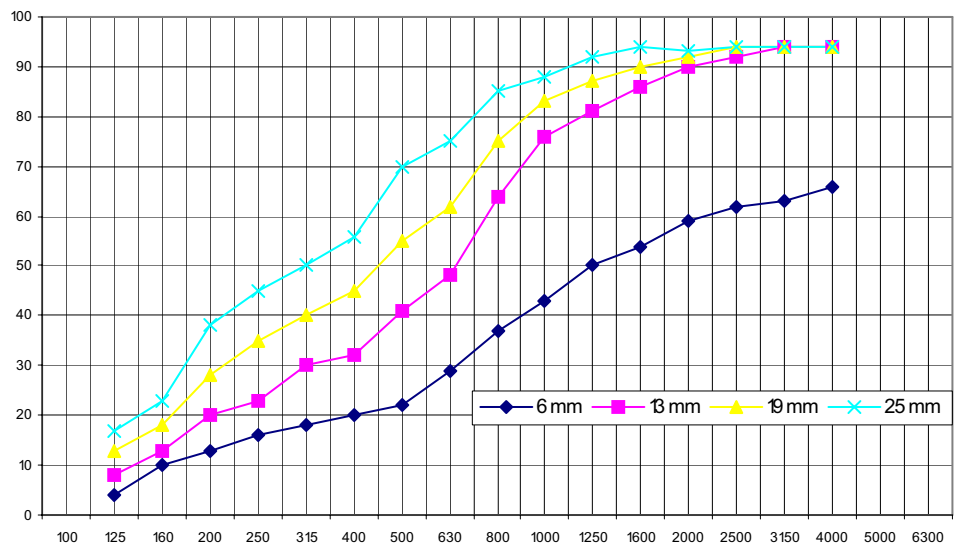
Acusticab SA is a sound absorbing material of foamed polyurethane with open cells. The product is based on Acusticell SA but its surface is embossed and covered with an elastic film of urethane. The material can be bent and is self-adhesive.

Can be combined with a mat for structure-borne sound damping and airborne sound insulation.

Advantages

- ❑ Embossed and treated surface increases the absorption 20-35%
- ❑ Aesthetically attractive surface
- ❑ Film is resistant to petrol and most chemicals
- ❑ Elastic and Resistant to mechanical wear
- ❑ Repels liquids and moisture
- ❑ Easy to wash
- ❑ Fire proof

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 140°C
Fire class	Certified according to UL94HF-1
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Ca 15 N/cm test width
Colour	Black surface film, grey foam.
Environment	Freon and PVC free
Thickness	6, 13, 19 eller 25 mm (other thickness can be supplied on request)
Surface film thickness	25 μm
Density	Approx 33 kg/m ³
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

Acusticab	CAB
Thickness in mm	6, 13, 19 eller 25
Fire class UL94HF1	SA
Surface foil colour	Svart
Example of order code	CAB13SA



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Acusticell S 3D

Applications

Acusticell S 3D is used for optimised sound absorption and airflow in the near area of the sound source, for example around the engine in a motor room or in connection with the fan unit in a ventilation system.

Industry

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

Transportation and vehicles

Engine compartment in boats and vehicles, scooters, off road vehicles, gardening tools, combustion mufflers.

Office and Architecture

Ventilation installations.

Method of use

Acusticell S 3D is supplied moulded according to your request and agreed specification, for example a CAD-file can be used.

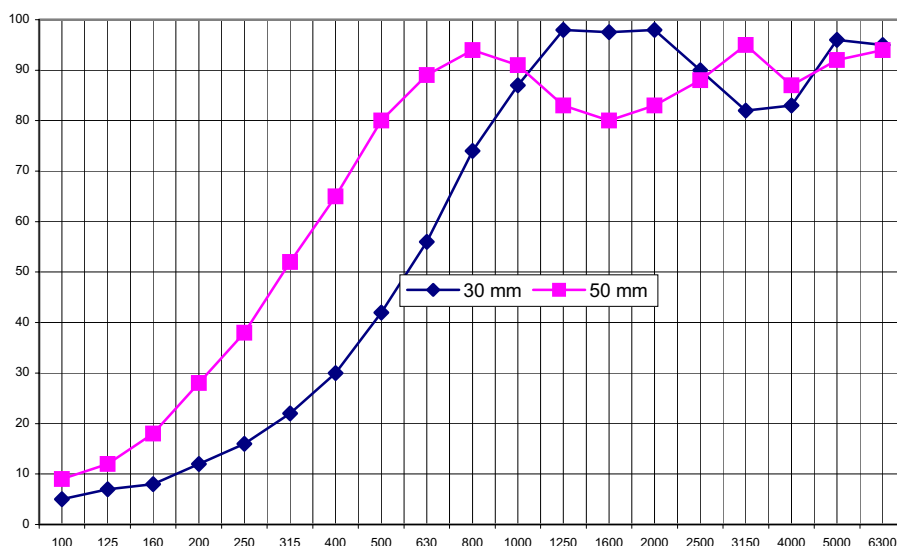
Product characteristics

Acusticell S 3D is a sound absorbing material of foamed polyurethane with open cells. The material can be bent and is self-adhesive.

Advantages

- ❑ Good absorption
- ❑ Moulded according to your request
- ❑ Improved airflow
- ❑ Improved production
- ❑ Shortened production time
- ❑ Difficult to ignite

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	ISO 3795: 0mm/min
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Colour	Light beige/yellow
Environment	Freon and PVC free
Density	Approx 60 kg/m ³
Delivery format	Supply 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 AC

Fire Class
ISO 3795 S

Mouldable 3D

Example of order
code ACS3D



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Acusticell S NF

Applications

Industry

Crane Cabins.

Transport and contracting

Cabins for boats, vehicles, scooters and contractor's machinery.

Office

Walls, Office Screens and Furniture.

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 NF is a sound absorbing material of foamed polyurethane with open cells and a strong needle felted surface. 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

- ❑ Good absorption
- ❑ Aesthetically attractive surface
- ❑ High sense of comfort
- ❑ UV resistant textile
- ❑ Resistant to mechanical wear
- ❑ Dirt repellent and Easily Cleaned
- ❑ Difficult to ignite

Working on new measurement

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 90°C
Fire Class	FMVSS 302 ISO 3759 < 70mm
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Ca 15 N/cm test width
Resistance of light	UV resistant
Colour Textile	Grey
Thickness foam	10, 15 or 20 mm (other thickness can be supplied on request)
Thickness needle felt	Approx 3 mm
Environment	Freon and PVC free
Density	Approx 28 kg/m ³
Delivery format	1000x1500 mm (other sizes and shapes can be supplied on request)

Experiences

Formning och placering av materialet har stor betydelse för att uppnå optimal ljuddämpande effekt.

SONTECH har lång erfarenhet från praktiska ljudsaneringsprojekt i en mångfald industribranscher. Dessa erfarenheter kan bli en värdefull komplettering till de laboratoriedata som redovisas i detta produktblad.

SONTECH kan även bistå med råd och ljudmätningar vid ljudsanering samt med konfektion av färdiga materialsatser.

Designation system

Acusticell	AC
Thickness in mm	10,20 or 30
Needle felt	NF
Fire Class FMVSS 302	S
Example of order code	AC20S NF



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Acusticell S TE

Applications

Industry

Crane Cabins.

Transport and contracting

Cabins for boats, vehicles, scooters and contractor's machinery.

Office

Walls, Office Screens and Furniture.

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

The product is based on Acusticell S but its surface is covered with a velour textile. 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

- ❑ Good absorption
- ❑ Aesthetically attractive surface
- ❑ High sense of comfort
- ❑ UV resistant textile
- ❑ Dirt repellent and Easily Cleaned
- ❑ Difficult to ignite

Working on new measurement

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 120°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
Resistance to light	UV resistant
Colour	Grey
Thickness	10, 15 or 20 mm (other thickness can be supplied on request)
Environment	Freon and PVC free
Density	Approx 28 kg/m ³
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	AC
Thickness in mm	10,15 or 20
Fire Class	
FMVSS 302	S
Example of order code	AC20S TE



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Acusticell S with Mylar 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.

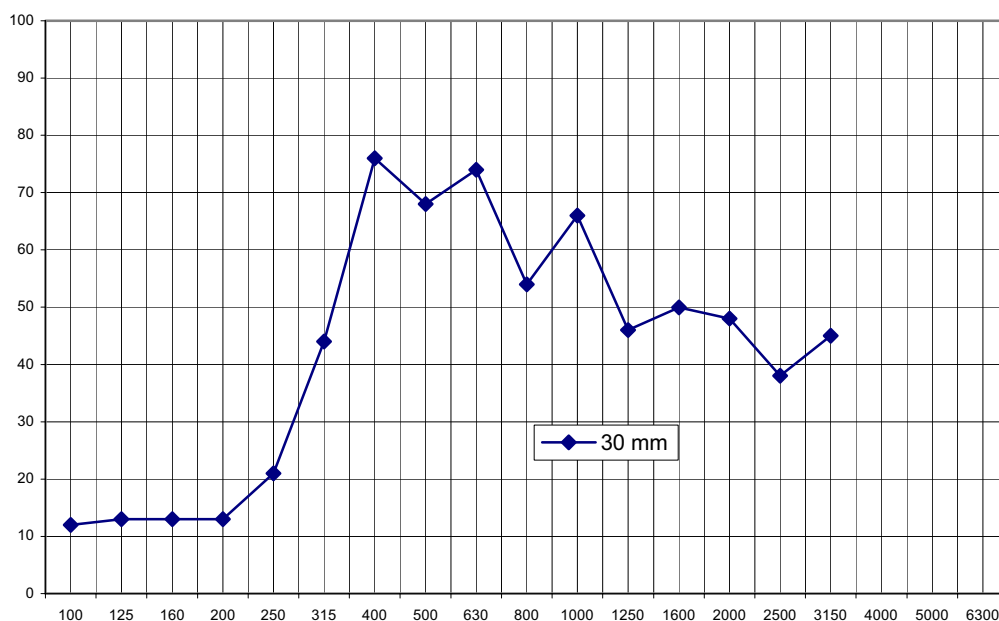
Product characteristics

Acusticell S with Mylar film 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 Mylar. 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
- ☐ Difficult to ignite

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	Difficult to ignite according to FMVSS 302
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	Al-surface film, grey foam
Thickness	10, 20, or 30 mm (other thickness on request)
Surface film thickness	36 μm
Density	Approx. 25 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.

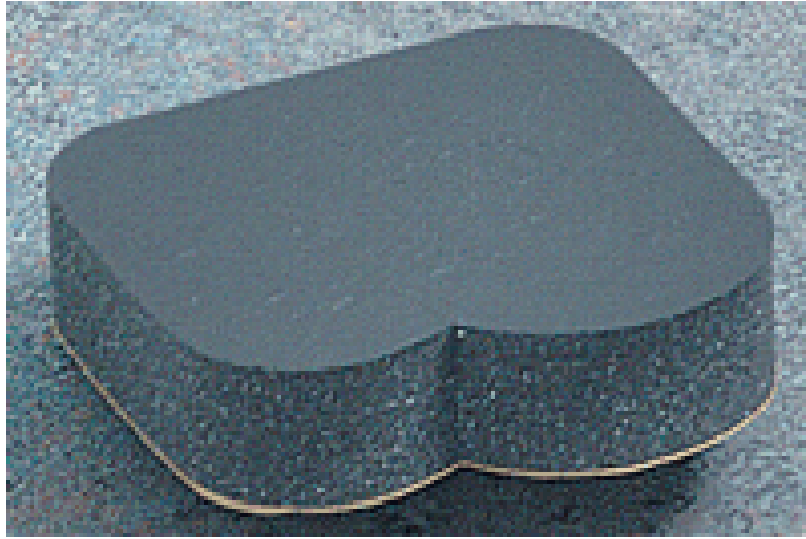
SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Acusticell	AC
Thickness in mm	10, 20, or 30
Fire class FMVSS 302	S
Surface of Mylar film	MF
Example of order code	AC30SMF



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Acusticell S 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.

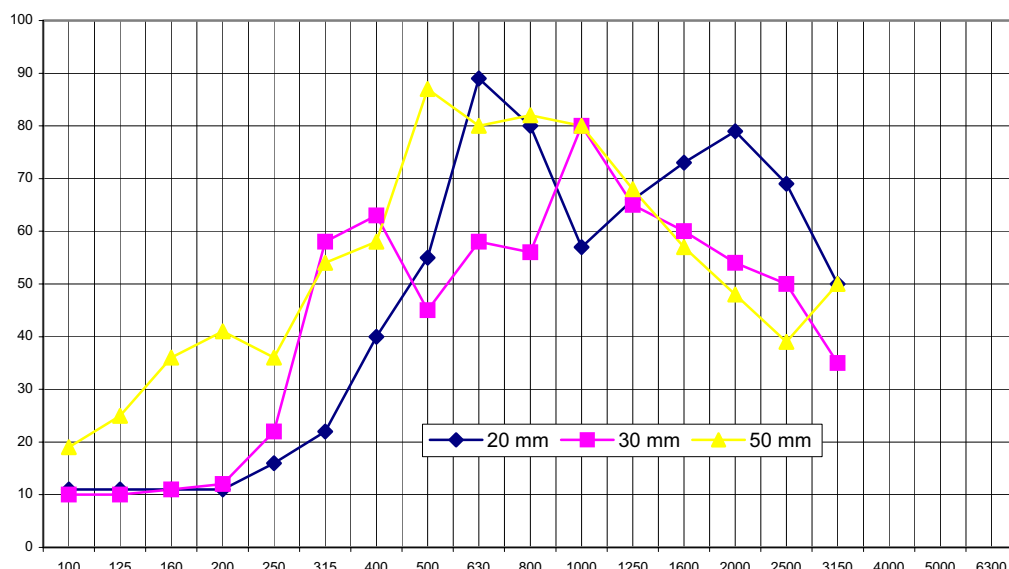
Product characteristics

Acusticell S with urethane film 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 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
- ☐ Difficult to ignite

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	Difficult to ignite according to FMVSS 302
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	Black surface film, grey foam (other colours can be supplied on request)
Thickness	10, 20, or 30 mm (other thickness on request)
Surface film thickness	25 μm
Density	Approx. 25 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	AC
Thickness in mm	10, 20, or 30
Fire class FMVSS 302	S
Surface of urethane film	UF
Example of order code	AC30S UF



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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.

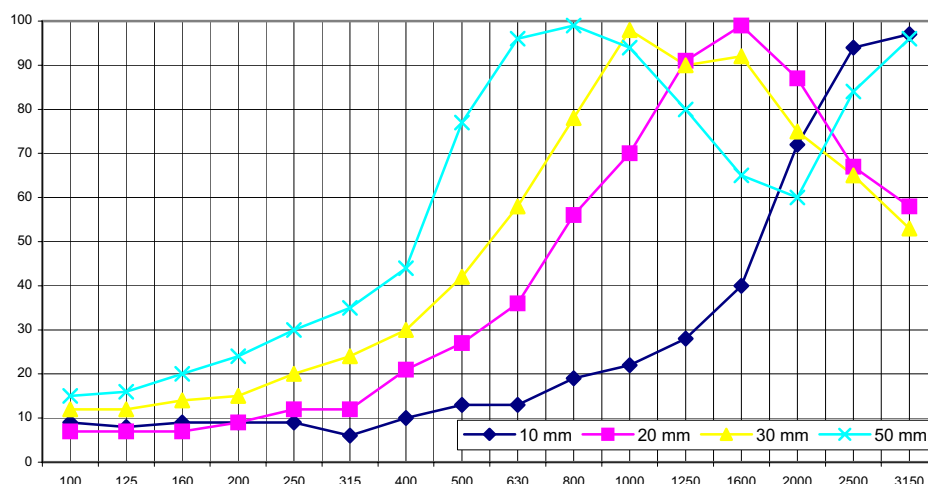
Product characteristics

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

Acusticell	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



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Acusticell S

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.

Office

Computers, Printers.

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

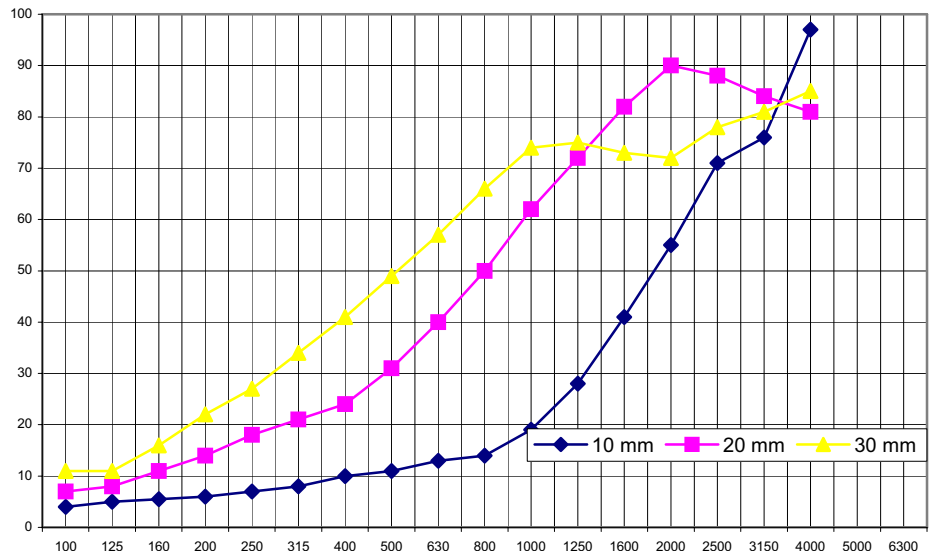
Acusticell SA is a sound absorbing material of foamed polyurethane with open cells.

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

- ❑ Good absorption
- ❑ Workable also for 3D applications
- ❑ Easy to mount
- ❑ Difficult to ignite

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical Data

Sound Absorption	See diagram
Resistance to Temperature	-40°C till + 120°C
Fire Class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx. 15 N/cm test width
Colour	Grey foam
Thickness	10, 20 or 30 mm (other thickness can be supplied on request)
Environment	Freon and PVC free
Density	Approx. 28 kg/m ³
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.

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Beteckningssystem

Acusticell	AC
Thickness in mm	10,20 or 30
Fire Class	
FMVSS 302	S
Example of order code	AC20S



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Acusticell SA with Mylar 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.

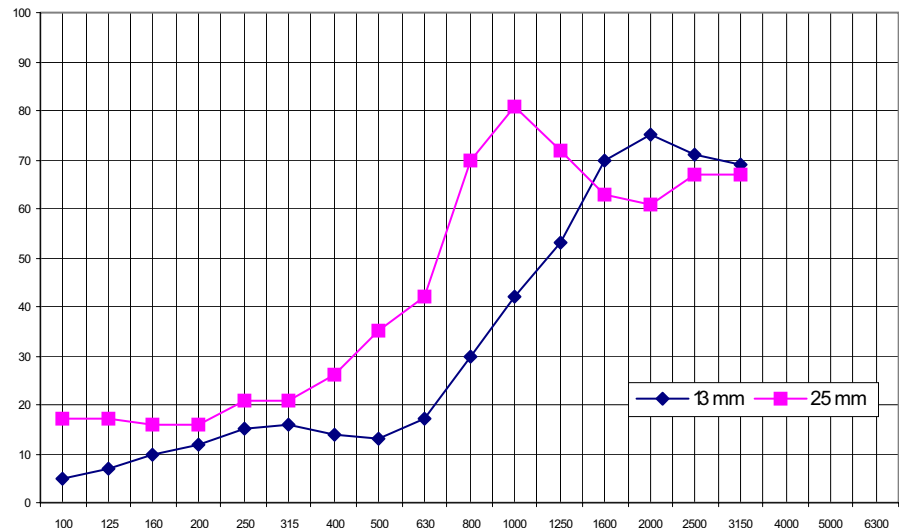
Product characteristics

Acusticell SA with Mylar 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 Mylar. 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	Aluminium surface film, grey foam
Thickness	13 or 25 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.

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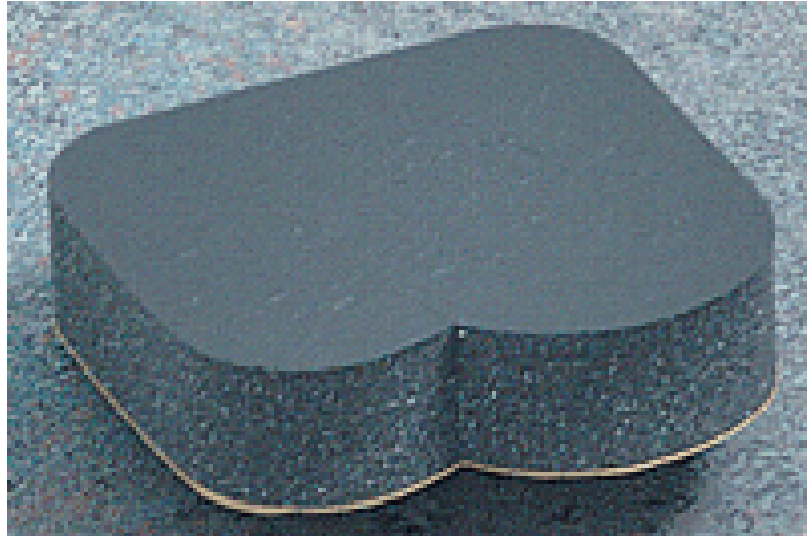
SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Acousticell	AC
Thickness in mm	13 or 25
Fire class UL94 HF-1	SA
Surface of urethane film	MF
Example of order code	AC25SAMF



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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.

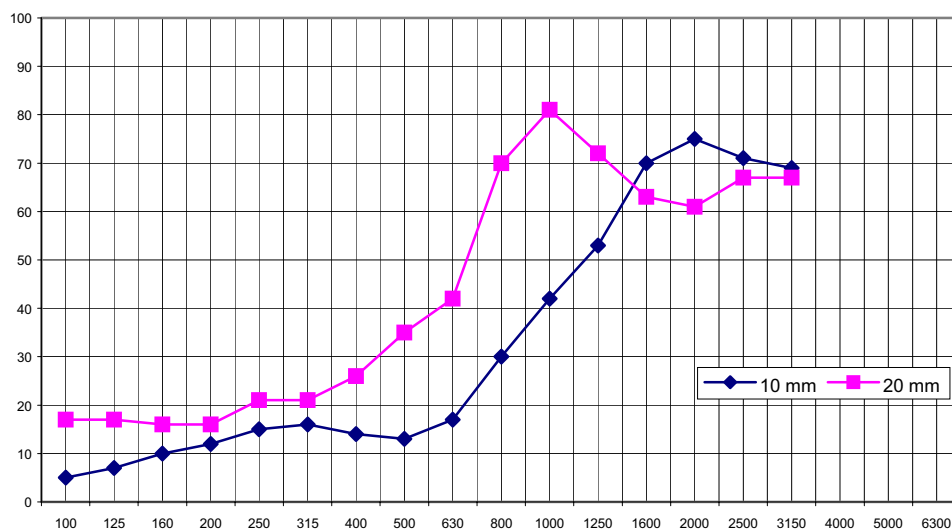
Product characteristics

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.

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Designation system

Acousticell	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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Acusticell 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.

Office

Computers, Printers.

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.

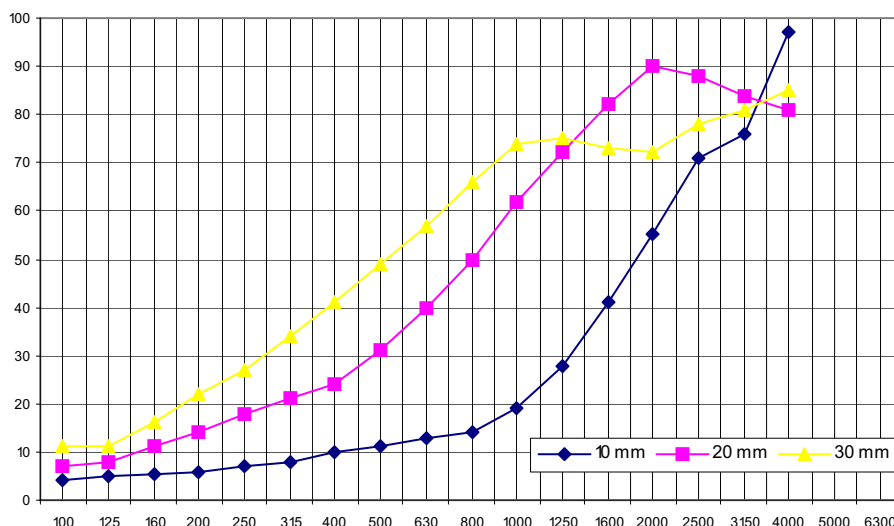
Product characteristics

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

- ☐ Good absorption
- ☐ 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 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	Grey foam
Thickness	10, 15, 20 or 30 mm (other thicknesses can be supplied on request)
Density	Approx. 33 kg/m ²
Delivery format	1000x2000 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	AC
Thickness in mm	10, 15, 20 or 30
Fire class UL94 HF-1	SA
Example of order code	AC20SA



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Acusticell SB with Mylar film

Applications

The product is used for high performance temperature and fire resistance 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.

Office

Computers, Printers.

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 SB with Mylar surface film is a sound absorbing material of foamed Melam plastic with open cells.

The product is based on Acusticell SB but its surface is covered with an elastic film of Mylar.

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

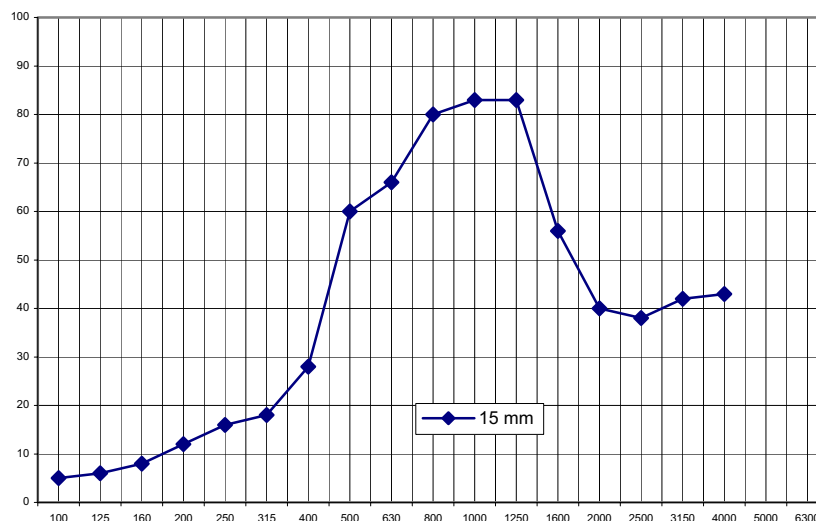
Advantages

- ❑ Good absorption
- ❑ Very high resistance to temperature
- ❑ Aesthetically attractive surface
- ❑ Resistant to mechanical wear
- ❑ Film is resistant to petrol and most chemicals



- ❑ Repels liquids and moisture
- ❑ Fire proof

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C to + 200°C
Fire class	The foam is certified according to UL94V-0
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Limmet starkare än skummets kohesion
Colour	Surface film: Aluminium Foam: White
Thickness	10 or 15 mm (other thickness can be supplied on request)
Density	Approx 23 kg/m ³
Ytfoliens tjocklek	36 µm
Delivery format	1500x1200 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	AC
Thickness in mm	10 or 15
Fire class UL94V-0	SB
Mylar surface film	MF
Example of order code	AC15SB MF



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Acusticell SB

Applications

The product is used for high performance temperature and fire resistance 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.

Office

Computers, Printers.

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 SB is a sound absorbing material of foamed melamin plastic with open cells.

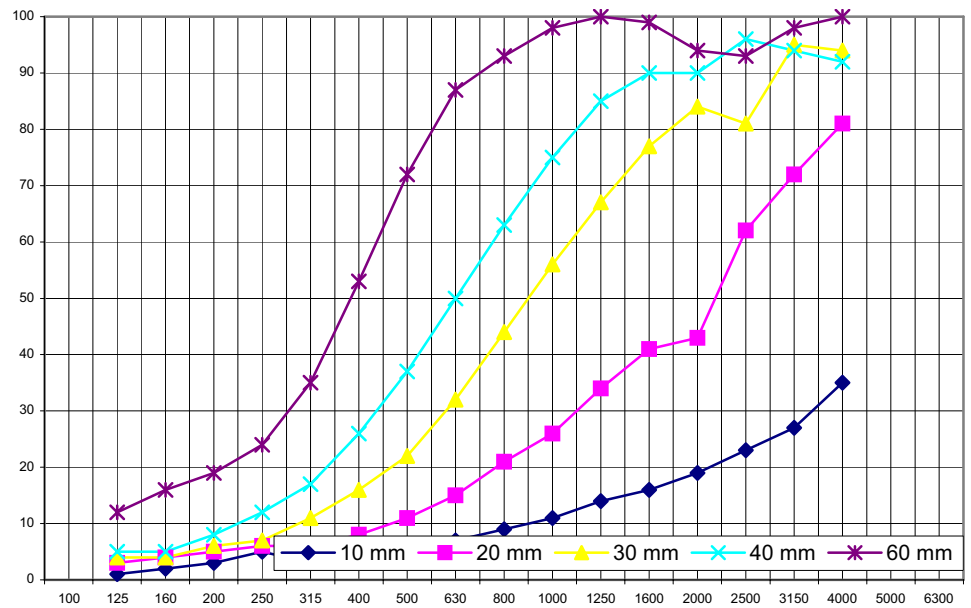
The material can be bent and is self-adhesive.

Can be combined with a mat for structure-borne sound damping and airborne sound insulation.

Advantages

- ❑ Good absorption
- ❑ Very high resistance to temperature
- ❑ Fire proof

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption See diagram

Resistance to temperature -40°C to + 200°C

Fire class The foam is certified according to UL94V-0

Coefficient of thermal conductivity $\lambda = 0,036 \text{ W/m}^\circ\text{C}$

Adhesive's tear strength Adhesive stronger than the foam cohesion.

Colour White foam

Thickness 10 and 15 mm (other thickness can be supplied on request)

Density Approx 23 kg/m³

Delivery format 1500x1200 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.

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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 or 15 mm

Fire class UL94V-0 SB

Example of order code AC15 SB



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ACUSTIMET

Areas of application

Industry

Workshop machines, fans, mills, printers, material handling machines, ovens, particle separators, power equipment, generators, engines, compressors, hydraulic equipment, food processing machines.

Transportation and vehicles

Engine compartment in boats and vehicles, scooters, off road vehicles, gardening tools, combustion mufflers.

Hospital and kitchen

Dish and washing machines, vacuum cleaners, ovens, air conditioners, mobile walls, hygienic acoustic ceilings.

Architecture

Elevators and engine rooms, ventilation installations, ceilings.

How to apply

Cut and form to desired shape. Mount at an appropriate distance from back wall. Seal all edges.

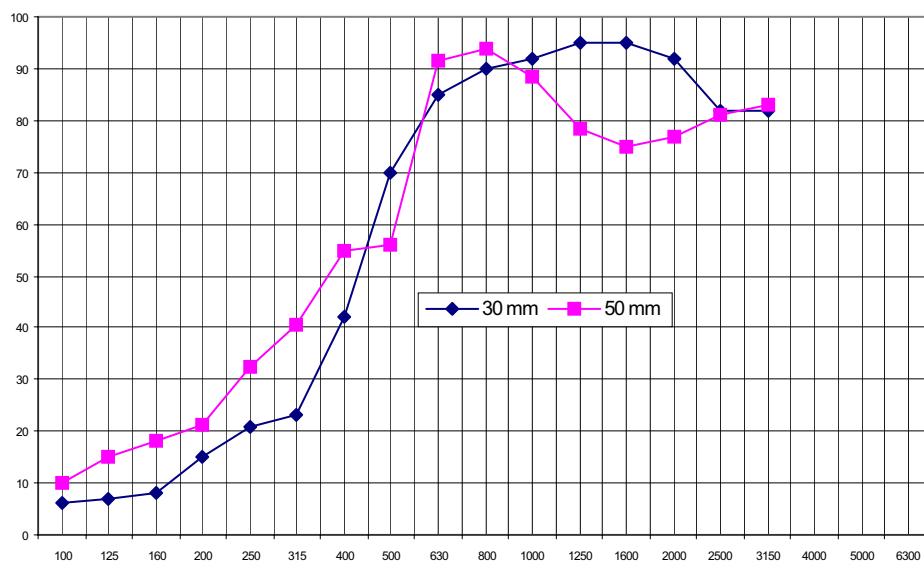
Product characteristics

Acustimet is an all-metal sound absorbing element without any fibers. Metal quality and thickness can be chosen according to requirements.

Advantages

- ☐ Non combustible
- ☐ Does not attract fluids or dirt
- ☐ Easily cleaned
- ☐ Withstand high temperatures
- ☐ Does not age
- ☐ Resistant to chemicals
- ☐ Fibre free
- ☐ Good sound absorption
- ☐ Mechanically rigid and tough
- ☐ Aesthetic appearance
- ☐ Resistant to wear
- ☐ No static electricity
- ☐ Easy to form

Absorption Coefficient % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Temperature resistance	Depending on metal
Flammability	Non combustible
Metal	Aluminium, steel, stainless steel
Colour	On demand
Thickness	1,2,3 mm, Other on demand. Stainless 0,5 mm.
Weight	Depending on Metal
Formability	As metal sheet
Sheet size	600x1200 and 1000x2000 mm

Advice

Forming and location of the material has importance to achieve maximum damping results.

SONTECH has a long experience of many practical sound damping projects. This experience is a valuable addition to the laboratory data shown in this document.

SONTECH can help you with advice and sound measurements as well as manufacturing a complete material kit

Designation system

Acustimet	AM
Thickness mm	0,5 , 1
Metal	AL, Fe, SS
Example of ordering code.	AM1AL2



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Acustitex S

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

Dishwashing machines, vacuum cleaners and ovens.

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.

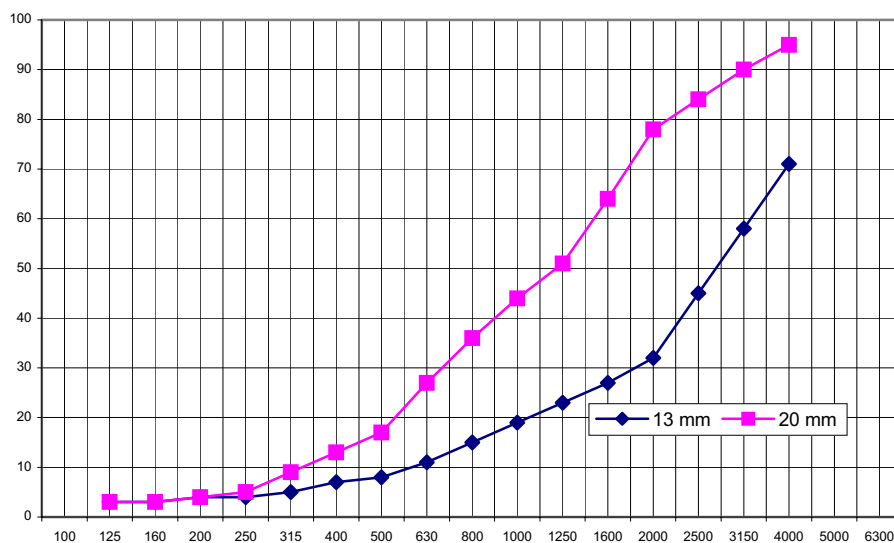
Product characteristics

Acustitex is a sound absorbing material and thermal insulating material of pressed textile fibres. The material can be bent and is self-adhesive.

Advantages

- ❑ Good absorption
- ❑ Resistance to high temperature
- ❑ Difficult to ignite

Absorption Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Resistance to temperature	-40°C till + 140°C
Fire Class	FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$ Ca 15 N/cm test width
Adhesive's tear strength	Black surface
Colour	15 eller 20 mm
Thickness	Ca 60 kg/m ³
Density	1000x1200 mm (other sizes and shapes can be supplied on request)
Delivery format	

Experiences

Formning och placering av materialet har stor betydelse för att uppnå optimal ljuddämpande effekt.

SONTECH har lång erfarenhet från praktiska ljudsaneringsprojekt i en mångfald industribranscher. Dessa erfarenheter kan bli en värdefull komplettering till de laboratoriedata som redovisas i detta produktblad.

SONTECH kan även bistå med råd och ljudmätningar vid ljudsanering samt med konfektion av färdiga materialsatser.

Designation system

Acustitex	AT
Thickness in mm	15 or 20
Fire Class	
FMVSS302	S
Example of order code	AT13S



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Regenocell S with Mylar 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, air filters.

Buildings

Lifts, motor rooms, ventilation systems.

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

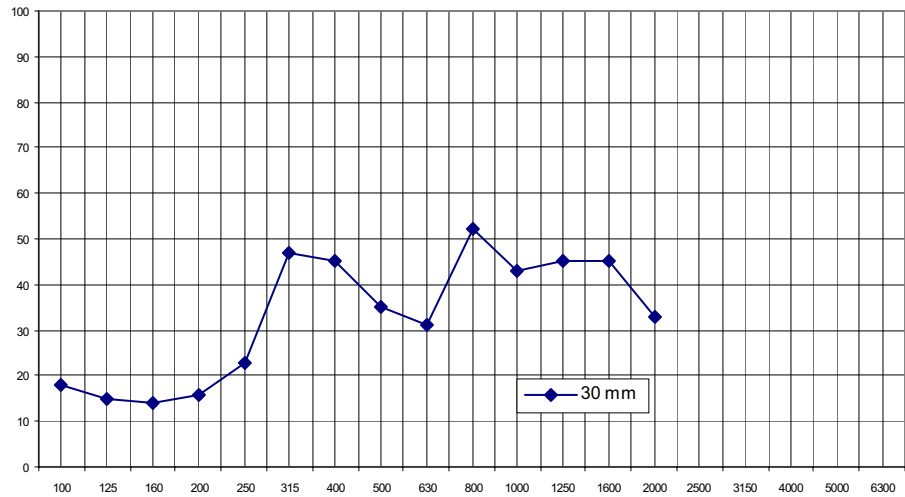
Regenocell S with Mylar film is a sound absorbing material of regenerated foamed polyurethane.

The product is based on Regenocell SA but its surface is covered with an elastic film of Mylar. 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

- ☐ Good sound absorption
- ☐ High density
- ☐ Aesthetically attractive surface
- ☐ Resistant to mechanical wear
- ☐ Film is resistant to petrol and most chemicals
- ☐ Repels liquids and moisture
- ☐ 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 + 120°C
Fire Class	FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Surface Aluminium Foam: Varying
Environment	Freon and PVC free
Thickness	10, 20 or 30 mm (other thickness can be supplied on request)
Density	Approx 100 kg/m ³
Thickness surface film	12 μm
Delivery format	1000x2000 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

Regenocell	RC
Thickness in mm	10, 20 or 30
Fire Class FMVSS302	S
Mylar Surface film	MF
Example of order code	RC10S MF



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Regenocell S 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, air filters.

Buildings

Lifts, motor rooms, ventilation systems.

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.

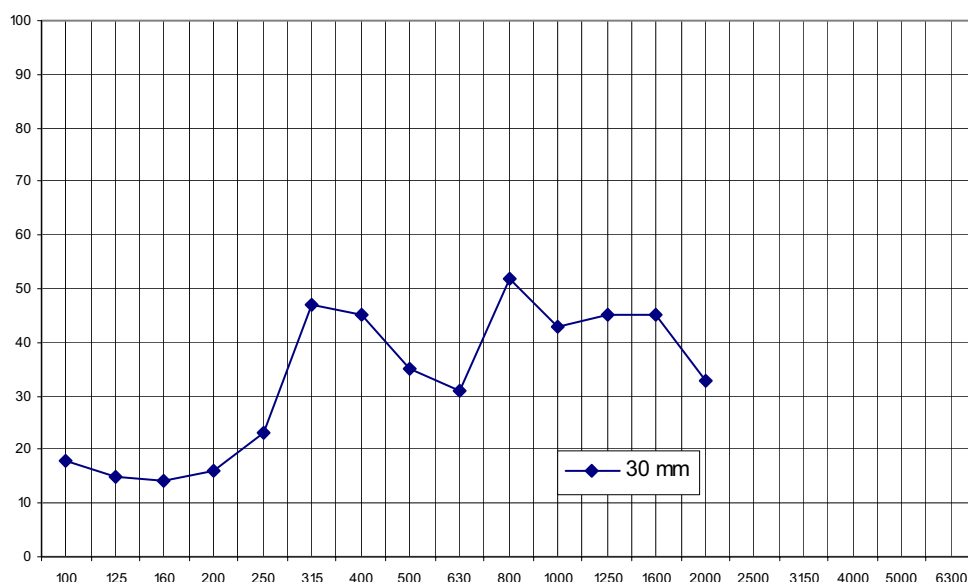
Product characteristics

Regenocell S with urethane film is a sound absorbing material of regenerated foamed polyurethane. The product is based on Regenocell S 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

- ❑ Good sound absorption
- ❑ High density
- ❑ Aesthetically attractive surface
- ❑ Resistant to mechanical wear
- ❑ Film is resistant to petrol and most chemicals
- ❑ Repels liquids and moisture
- ❑ 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 + 120°C
Fire Class	FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Surface film: Black Foam: Varying
Thickness foam	10, 20 or 30 mm (other colours can be supplied on request)
Density	Approx 100 kg/m ³
Thickness Surface film	25 µm
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

Regenocell	RC
Thickness in mm	10, 20 or 30
Fire Class	
FMVSS302	S
Urethane film	UF
Example of order code	RC10S UF



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Regenocell S

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, motor rooms, ventilation systems, floating floors.

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.

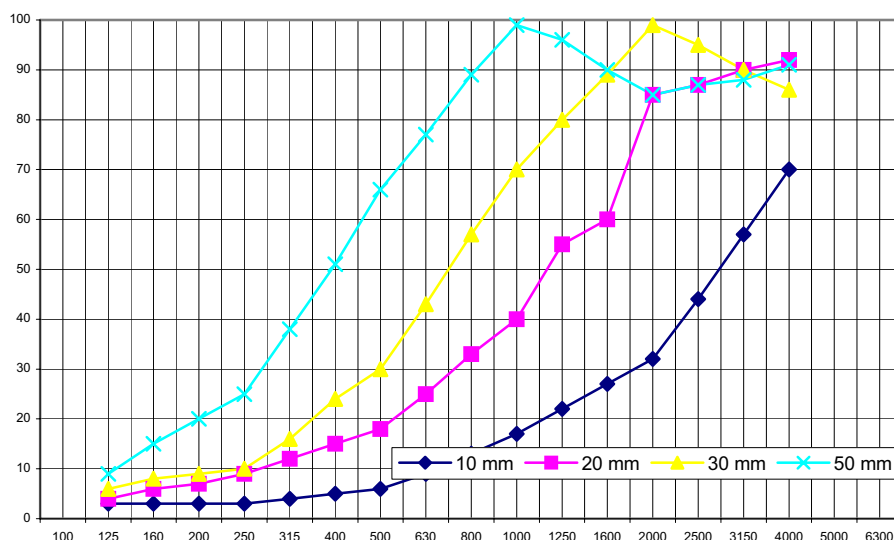
Product characteristics

Regenocell S is a sound absorbing material of regenerated polyurethane foam. The material can be bent and is self-adhesive.

Advantages

- ☐ Good sound absorption
- ☐ High density
- ☐ Workable
- ☐ Easy to mount
- ☐ Difficult to ignite

Absorptions Coefficient, % (ISO 10534)



Frequency, Hz, Third Octave Bands

Technical data

Sound absorption	See diagram
Temperaturbeständighet	-40°C to + 120°C
Fire Class	FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,036 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Varying
Environment	Freon and PVC free
Thickness	10, 20 or 30 mm (other thickness can be supplied on request)
Density	Approx 100 kg/m ³
Delivery format	1000x2000 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

Regenocell	RC
Thickness in mm	10, 20 or 30
Fire Class FMVSS302	S
Example of order code	RC10S



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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.

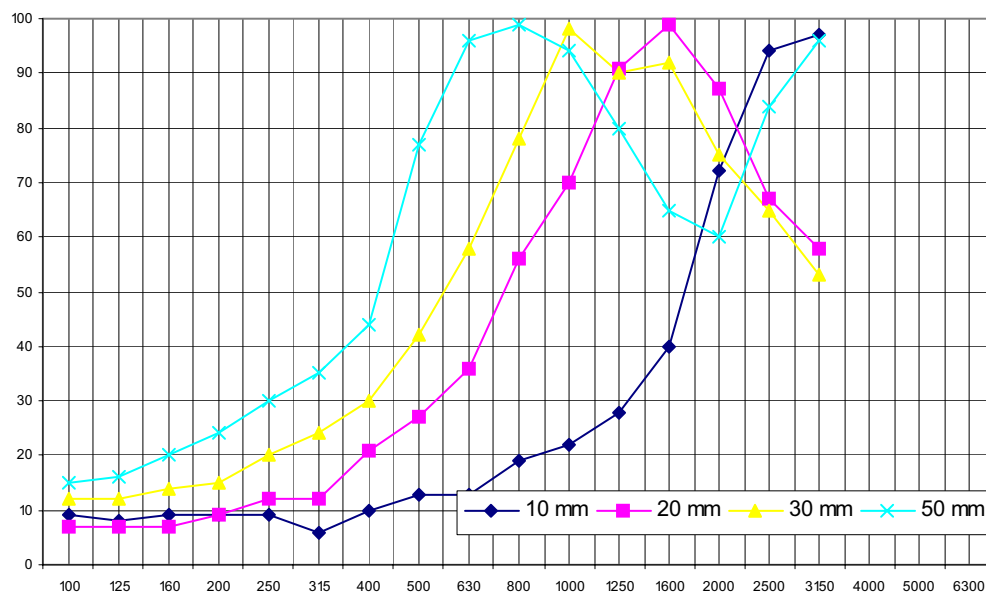
The product is based on Acusticell SA but its surface is embossed and treated for extra ordinary acoustically properties.

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



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Acusticell Combi 13

Applications

Industry

Hoods for engines, compressors, hydraulic machines.

Transport and contracting

Engine room insulation for Boats, Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashers.

Buildings

Insulation of tubes and in engine rooms.

Method of use

The pieces are cut or punched out to the desired shape and permanently glued on to the inner surface of the engine hood/wall. When applying, the surface must be free from oil, dirt, and dust. Mechanical mounting recommended.

Product-characteristics

Acusticell Combi 13 is combined barrier mat with a soft foam distance.

It is preferable used for insulation of tubes and also for boat and vehicle engine rooms.

Advantages

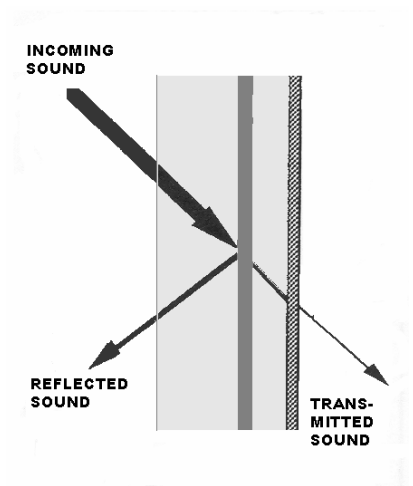
- ❑ Extra ordinary sound insulation
- ❑ Good for tube insulation
- ❑ Flexible also at low temperatures
- ❑ Repels liquids and moisture
- ❑ Easy to wash
- ❑ Difficult to ignite

To insulate Noise

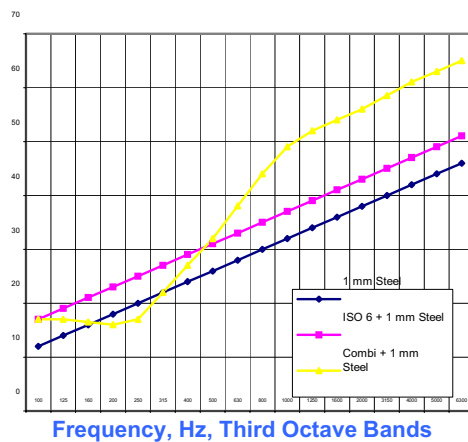
When the sound wave hits the wall one part of the sound energy is reflected and one part is transmitted further through the wall. A heavier wall reflects more sound energy than a lighter.

The best way of increasing the transmission loss is to apply a barrier mat at a soft foam distance to the wall. The transmission loss significantly increases, i.e. more sound energy are reflected and does not transmit through the wall.

It is important not only to reflect the sound energy but also to absorb the reflected energy. When using "Combi", the sound reflected is taken care of by the 20 mm foam absorber.



Transmission Loss, D_{TL} (dB)



Technical data

Total thickness	13 mm
Thickness	
Barrier mat	3 mm
Tjocklek	
Distance foam	10 mm
Weight	
Barrier mat	5,5 kg/m ²
Fire class	ISO 3795, FMVSS 302
Delivery format	1200x1500 mm

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

Order code Combi 13



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Acusticell Combi

Applications

Industry

Hoods for engines, compressors, hydraulic machines.

Transport and contracting

Engine room insulation for Boats, Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashers.

Buildings

Insulation of engine rooms.

Method of use

The pieces are cut or punched out to the desired shape and permanently glued on to the inner surface of the engine hood/wall. When applying, the surface must be free from oil, dirt, and dust. Mechanical mounting recommended.

Product characteristics

Acusticell Combi is a product for combined sound insulation and sound absorption.

It has a barrier mat on a soft foam distance and a sound foamed polyurethane covered with an elastic film if urethane. It is preferable used for insulation of boat and vehicle engine rooms

Advantages

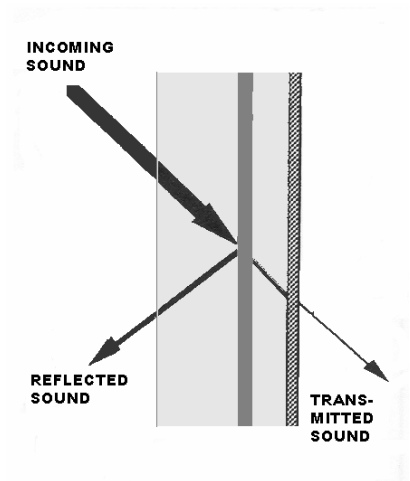
- ❑ Extra ordinary sound insulation and absorption
- ❑ Aesthetically attractive surface
- ❑ Resistant to mechanical wear
- ❑ Film is resistant to petrol and most chemicals
- ❑ Repels liquids and moisture
- ❑ Easy to wash
- ❑ Difficult to ignite

To insulate Noise

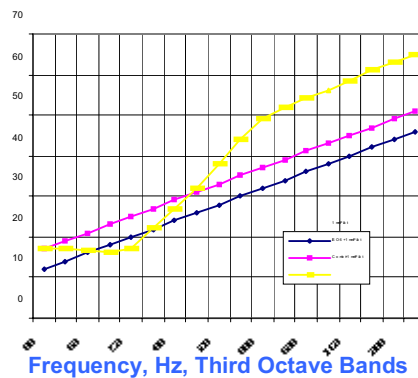
When the sound wave hits the wall one part of the sound energy is reflected and one part is transmitted further through the wall. A heavier wall reflects more sound energy than a lighter.

The best way of increasing the transmission loss is to apply a barrier mat at a soft foam distance to the wall. The transmission loss significantly increases, i.e. more sound energy are reflected and does not transmit through the wall.

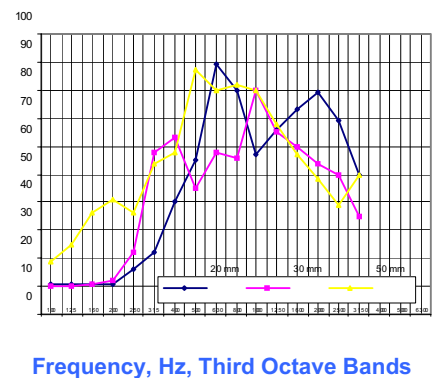
It is important not only to reflect the sound energy but also to absorb the reflected energy. When using "Combi", the sound reflected is taken care of by the 20 mm foam absorber.



Transmission Loss, D_{TL} (dB)



Absorption Coefficient, % (ISO 10534)



Technical data

Total thickness	33 mm
Thickness absorber	20 mm
Thickness Barrier mat	3 mm
Thickness Distance foam	10 mm
Weight Barrier	5,5 kg/m ²
Fire class	ISO 3795, FMVSS 302
Colour surface	Black polyurethane
Delivery format	1200x1500 mm

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

Order code Combi



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Barrier mat 6 SB

Application

Industry

Machine tools, fans, chip extractors.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashing machines, air pumps.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

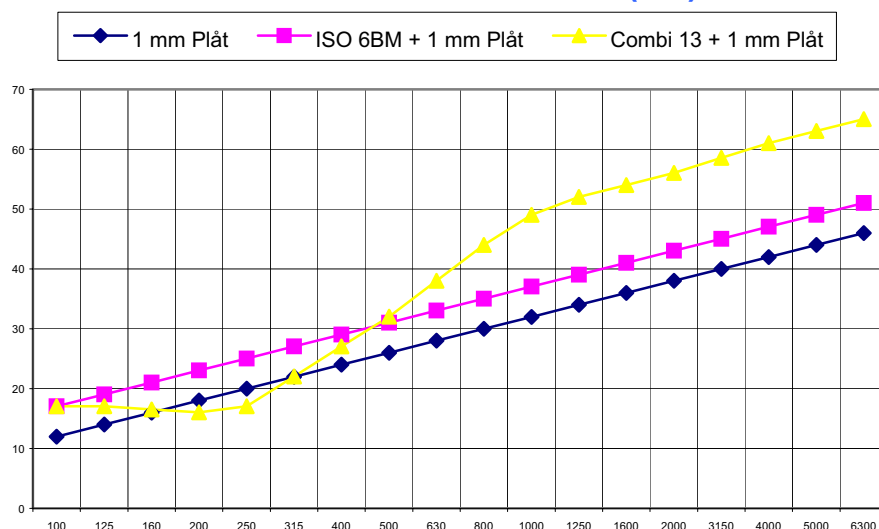
Barrier mat 6 SB is a self-adhesive mat of vinyl with heavy filler.

The product is flexible and self-adhesive.

Advantages

- ❑ Very good sound transmission loss
- ❑ Resistant to petrol and most chemicals
- ❑ Flexible also at low temperature
- ❑ Water repellent
- ❑ Long service life
- ❑ Good adhesion
- ❑ Difficult to ignite

Transmission Loss, $D_{TL}(dB)$



Frequency, Hz, Third Octave Bands

Technical data

Sound	
Transmission Loss	See diagram
Resistance to temperatur	-25°C till + 110°C
Fire class	UL94V-0
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black
Environment	Freon and PVC free
Thickness	4 mm
Weight	5,5 kg/m ²
Delivery format	1350x1000 och (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

Barrier mat	ISO
Weight kg/m ²	6
Fire class	
UL94V-0	SB
Order code	ISO6 SB



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Barrier mat 7

Application

Industry

Machine tools, fans, chip extractors.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashing machines, air pumps.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

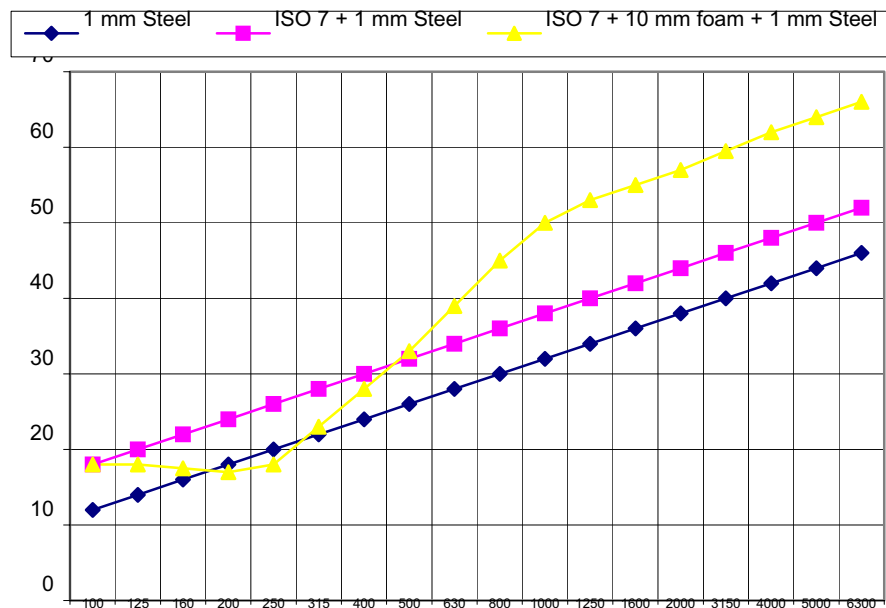
Barrier mat 7 is a self-adhesive mat of bitumen with filler.

The product is flexible and easily formed.

Advantages

- ☐ Very good sound transmission loss
- ☐ Easy to form
- ☐ Water repellent
- ☐ Long service life
- ☐ Good adhesion
- ☐ Difficult to ignite

Transmission Loss, D_{TL} (dB)



Frequency, Hz, Third Octave Bands

Technical data

Sound	
Transmission Loss	See diagram
Resistance to temperatur	-25°C till + 80°C
Fire class	FMVSS 302
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black
Environment	Freon and PVC free
Thickness	4 mm
Weight	7 kg/m ²
Delivery format	1200x1000 och 1500x1000 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.

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Designation system

Barrier mat	ISO
Weight kg/m ²	7
Oder code	ISO7



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Barrier mat 7P

Application

Industry

Machine tools, fans, chip extractors.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashing machines, air pumps.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

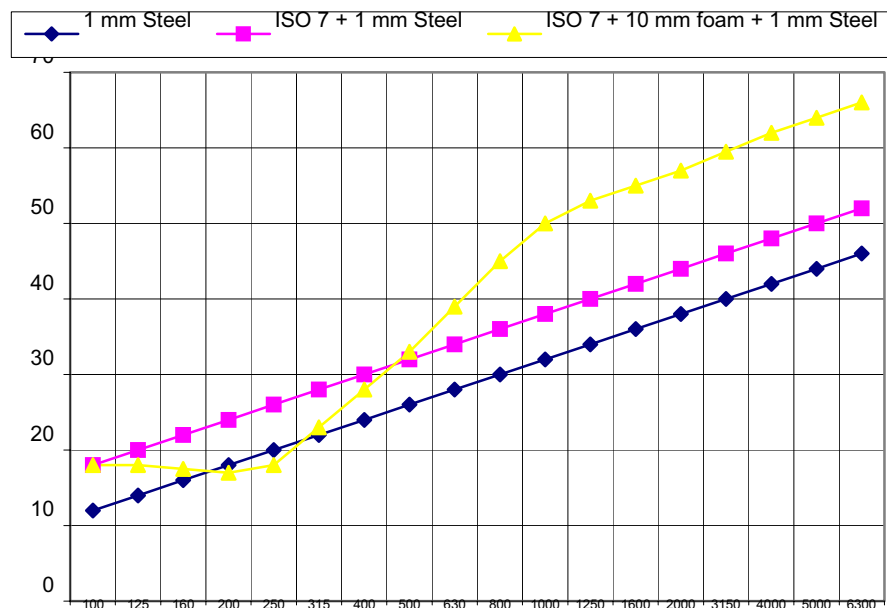
Barrier mat 7P is a self-adhesive mat of bitumen with heavy filler.

The product is flexible and easily formed.

Advantages

- ☐ Very good sound transmission loss
- ☐ Easy to form by heat
- ☐ Water repellent
- ☐ Paint able
- ☐ Long service life
- ☐ Good adhesion
- ☐ Difficult to ignite

Transmission Loss, $D_{TL}(dB)$



Frequency, Hz, Third Octave Bands

Technical data

Sound
Transmission Loss See diagram

Resistance to
temperatur -25°C till + 80°C

Fire class FMVSS 302

Adhesive's tear
strength Approx 15 N/cm test
width

Colour Black

Environment Freon and PVC free

Thickness 4 mm

Weight 7 kg/m²

Delivery format 1200x1000 och
1500x1000 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

Barrier mat	ISO
Weight kg/m ²	7
Oder code	ISO7P



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Barrier mat 7R

Application

Industry

Machine tools, fans, chip extractors.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashing machines, air pumps.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

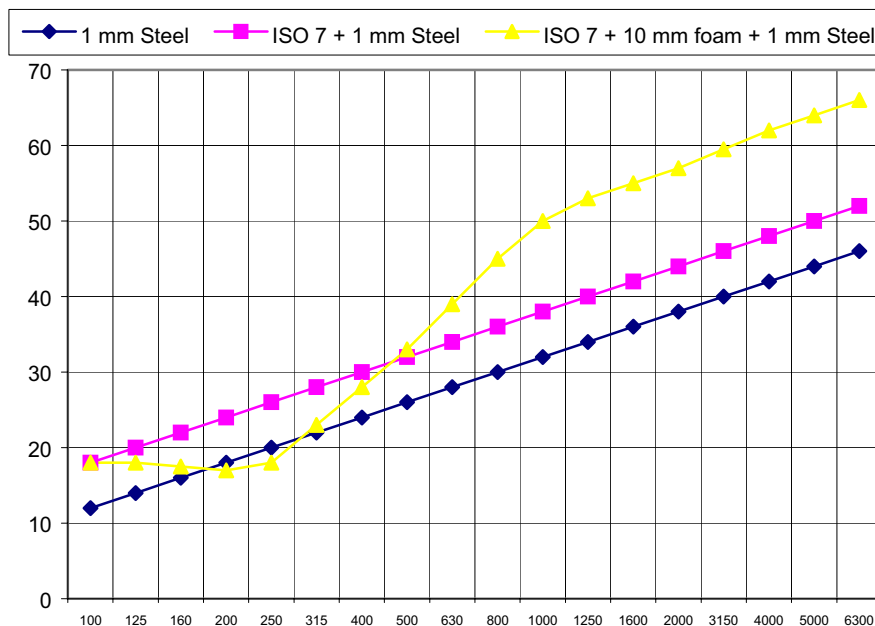
Barrier mat 7R is a self-adhesive mat of EPDM with heavy filler.

The product is flexible and easily formed.

Advantages

- ❑ Very good sound transmission loss
- ❑ Resistant to petrol and most chemicals
- ❑ Easy to form
- ❑ Water repellent
- ❑ Long service life
- ❑ Good adhesion
- ❑ Difficult to ignite

Transmission Loss, $D_{TL}(dB)$



Frequency, Hz, Third Octave Bands

Technical data

Sound

Transmission Loss See diagram

Resistance to
temperatur

-25°C till + 80°C

Fire class

FMVSS 302

Adhesive's tear
strength

Approx 15 N/cm test
width

Colour

Black

Environment

Freon and PVC free

Thickness

4 mm

Weight

7 kg/m²

Delivery format

1200x1000 och
1500x1000 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

Barrier mat ISO

Weight kg/m² 7

Oder code ISO7R



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Floor mat 7

Application

Industry

Machine tools, fans, chip extractors.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Dishwashing machines, air pumps.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

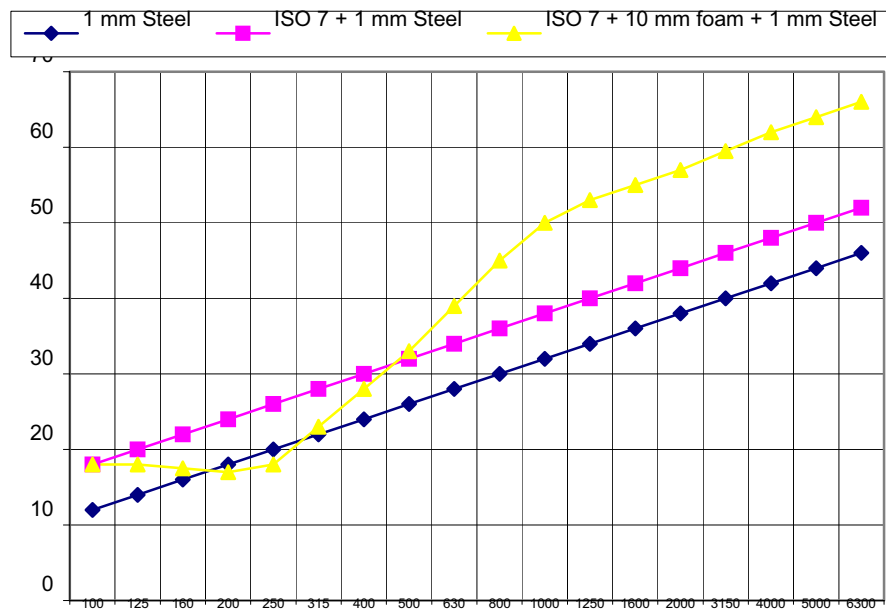
Floor mat 7 is a self-adhesive mat of EPDM with heavy filler.

The product is flexible and can be formed.

Advantages

- ❑ Very good sound transmission loss
- ❑ Resistant to petrol and most chemicals
- ❑ Easy to form
- ❑ Water repellent
- ❑ Long service life
- ❑ Difficult to ignite

Transmission Loss, D_{TL} (dB)



Frequency, Hz, Third Octave Bands

Technical data

Sound	
Transmission Loss	See diagram
Resistance to temperatur	-25°C till + 80°C
Fire class	FMVSS 302
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black
Environment	Freon and PVC free
Thickness	4 mm
Weight	7 kg/m ²
Delivery format	1200x1000 (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.

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Designation system

Floor mat	GM
Weight kg/m ²	7
Order code	GM7



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Damping foil 15

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components.

Transport och contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

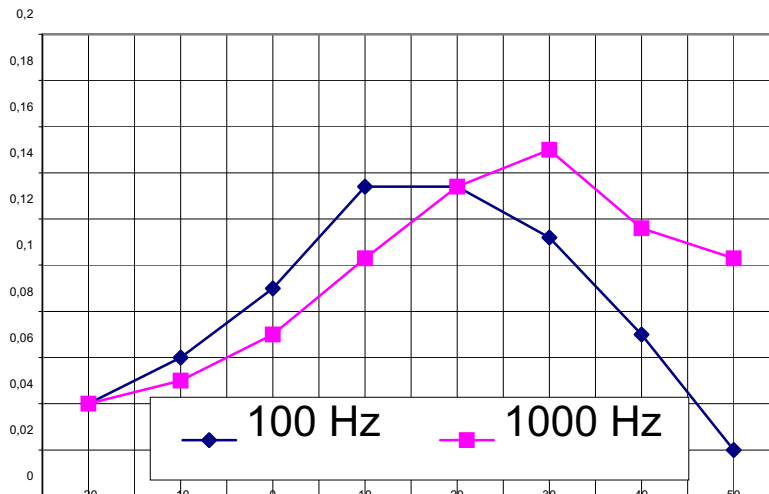
Damping foil 15 is a damping sheet for structure borne sound made of bitumen-impregnated textile felt with a visco-elastic damping layer.

The product has low weight, is flexible and self-adhesive

Advantages

- ☐ Good damping of thin sheet metal
- ☐ Low weight
- ☐ Odour less
- ☐ Water repellent
- ☐ Long service life
- ☐ Difficult to ignite

Combined Loss factor, η Measured at 0,8 mm steel sheet



Temperature, °C

Technical data

Loss factor	see diagram
Resistance to temperature	-25°C to + 100°C
Fire Class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,11 \text{ W/m}^\circ\text{C}$
Adhesives tear strength	Approx 15 N/cm test width
Colour	Dark grey
Environment	Freon and PVC free
Thickness	1,6 mm
Weight	1,6 kg/m ²
Delivery format	1000x1000 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.

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Designation system

Damping foil	DF
Relative Loss factor	15
Order code	DF15



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Damping foil 9

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components.

Transport och contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

Damping foil 9 is a damping sheet for structure borne sound made of bitumen.

The product is bendable and self-adhesive.

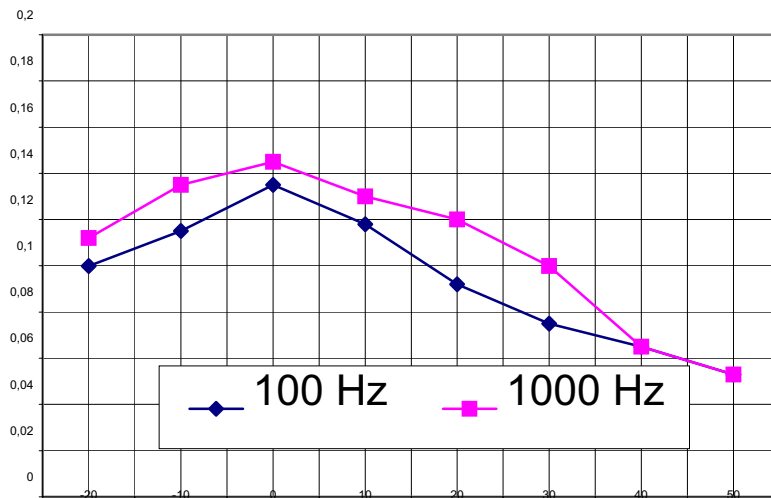
Advantages

- ❑ Good damping of thin sheet metal
- ❑ Suits for ABS-plastic applications
- ❑ Easy to form using heat
- ❑ Water repellent
- ❑ Long service life
- ❑ Difficult to ignite

With AL-surface (additional):

- ❑ Aesthetic good appearance
- ❑ Hygienic

Combined Loss factor, η Measured at 0,8 mm steel sheet



Temperature, °C

Technical data

Loss factor	See diagram
Resistance to temperature	-25°C to + 100°C
Fire class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,11 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black Aluminium surface (additional)
Thickness	2,6 mm
Weight	3,5 kg/m ²
Delivery format	1200x1000 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.

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Designation system

Damping foil	DF
Relative Loss factor	9
Aluminium surface (additional)	AL
Order code	DF9



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Dempicell S

Applications

Industry

Workshop machines, fans, mills, printers, material handling machines, ovens, power equipment, generators, compressors, hydraulic equipment.

Transport and constructional

Scooters, trucks, contractor's machinery, forest machinery, gardening tools.

Health care and large-scale kitchens

Dialysis machines.

Buildings

Lifts and motor rooms.

Offices

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.

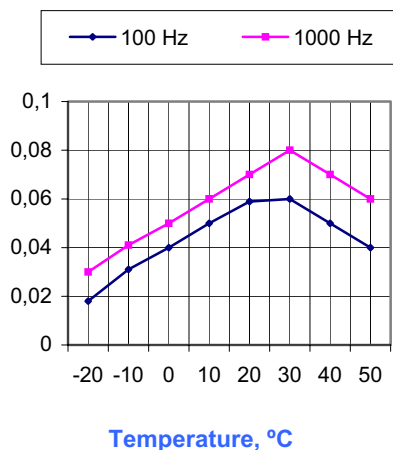
Product characteristics

Dempicell S is a sound absorbing and structure borne sound damping material of foamed polyurethane with open cells (Acusticell SA) laminated with a structure borne sound damping foil. The laminate

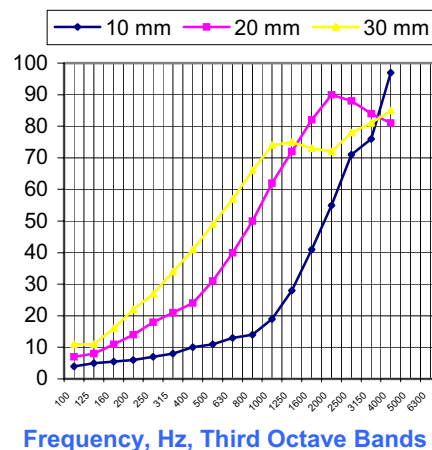
Advantages

- ❑ Combines good damping with good sound absorption
- ❑ Difficult to ignite
- ❑ Easy to use

Combined Loss factor, η Measured at 0,8 mm steel sheet



Absorption Coefficient, % (ISO 10534)



Technical data

Absorption coefficient and Loss factor	See diagram
Temperaturbeständighet	-40°C to + 120°C
Fire class foam	Certified according to FMVSS302
Coefficient of thermal conductivity	$\lambda = 0,36 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Dark grey
Environment	Freon and PVC free
Thickness absorber	12, 22 or 32 mm
Thickness damping foil	Approx 1,0 mm
Density absorber	Approx 25 kg/m ³
Weight	1,2 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.

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Designation system

Dempicell	DC
Thickness in mm	10,20 or 30 mm
Fire class foam FMVSS302	S
Example of order code	DC20SA



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Sandwich foil SFRT

Applications

Industry

Workshop machines, fans, mills, printers, material handling machines, particle separators, power equipment, generators, compressors, food processing machines, hoods.

Transportation and vehicles

Bus floors, off road vehicles, forest machines, ships and railway wagons.

Office

Printers, sorting- and enveloping machines, loud speakers.

Architecture

Elevators, steps, engine rooms, ventilation installations, doors, floors, transportation shoots, fans.

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust. The pressure has to exceed 30 N/cm^2 for at least 5 minutes.

Product characteristics

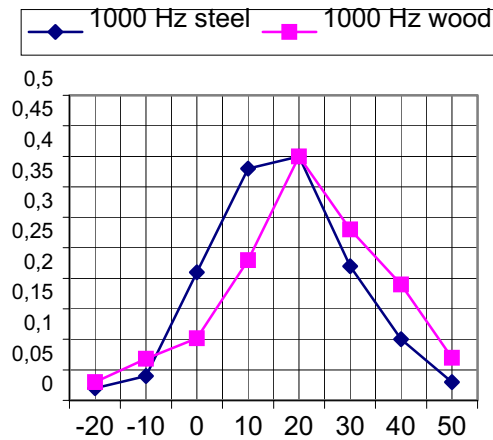
Sandwich foil SFRT is a viscoelastic foil of fibre-enforced bitumen.

The Foil has self-adhesive glue at both sides for the application in between two constraining layers of constructional material.

Advantages

- ❑ Very good structure damping also for thick constructions of wood and metal
- ❑ Good damping for a wide frequency range
- ❑ Increase the transmission loss, especially for wood constructions
- ❑ Water-repellent
- ❑ Long service life

Combined Loss factor, η

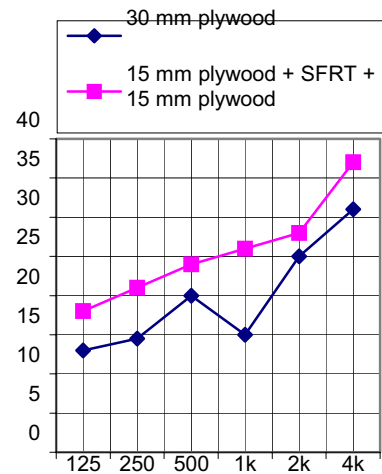


Temperature, °C

Technical data

Loss factor and Transmission Loss	See diagram
Resistance to temperature	-30°C to + 100°C
Fire class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,11 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black
Environment	Freon and PVC free
Thickness	1,6 mm
Weight	1,3 kg/m ²
Delivery format	1000x1000 mm (other sizes and shapes can be supplied on request)

Transmission Loss, D_{TL}



Frequency, Hz,
Third Octave Bands

Experiences

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

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Designation system

Sandwich foil SF

Optimised for room temperature RT

Example of order code SFRT



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Sonit

Applications

Industry

Workshop machines, fans, mills, printers, material handling machines, ovens, particle separators, power equipment, generators, compressors, hydraulic equipment, food processing machines.

Transportation and vehicles

Scooters, trucks, contractor's machinery, forest machinery, gardening tools.

Office

Computers, printers, sorting- and enveloping machines.

Hospital and kitchen

Dish and washing machines, vacuum cleaners, ovens, air conditioners, mobile walls, circulation pumps, dialyses units.

Architecture

Elevators and engine rooms, ventilation installations, doors, floors, transportation shoots, ducts.

Method of use

Sonit shall be applied and dried at the surface to be damped. Before the application the surfaces should be treated against corrosion or with primer. When applying, the surface must be free from oil, dirt, and dust.

For the best damping result the material thickness of Sonit should be twice the steel thickness.

The drying time varies by temperature and material thickness

Product characteristics

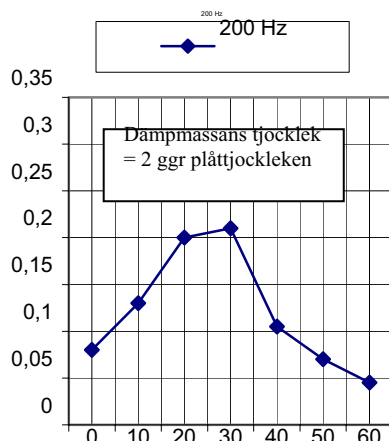
Sonit is an water based visco-elastic damping pad with organic filler

The pad is tixotrope and can therefore be applied also to vertical surfaces.

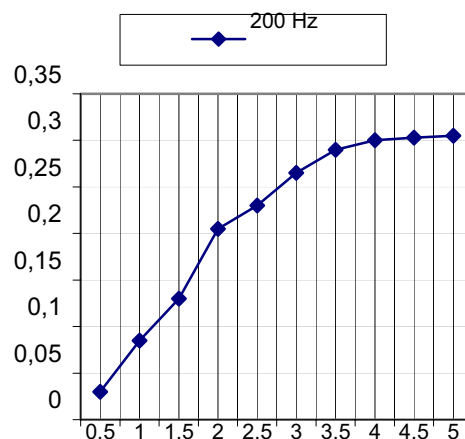
Advantages

- ❑ Good damping of structure borne sound
- ❑ Resistant to chemicals
- ❑ Good adhesion to most materials
- ❑ Easy to apply at shaped surfaces
- ❑ Fire proof

Combined Loss factor, η Measured at 0,8 mm steel sheet



Temperature, °C



Damping sheet thickness

Technical data

Loss factor	Wheat	Dry See diagram
Resistance to temperature		0°C to + 60°C
Colour	Beige	Beige
Consistence	Paste's	Hard
Density	1300 kg/m ³	1600 kg/m ³
Storage temp.	> 0 °C	
Dry content	78%	
Working temperature.	+5 - +25 °C	
Thinner	Water	
Cleaning	Water	Mechanical
Maximal storage time	1 year (sealed packaging)	
Drying time	Approx 12 hours for 1 mm thickness	
Packaging	20 l bucket	

Experiences

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

Order code Sonit



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Vibraflex 13 AL SB

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components, packing machinery.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery, aircraft.

Health care and large-scale kitchens

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

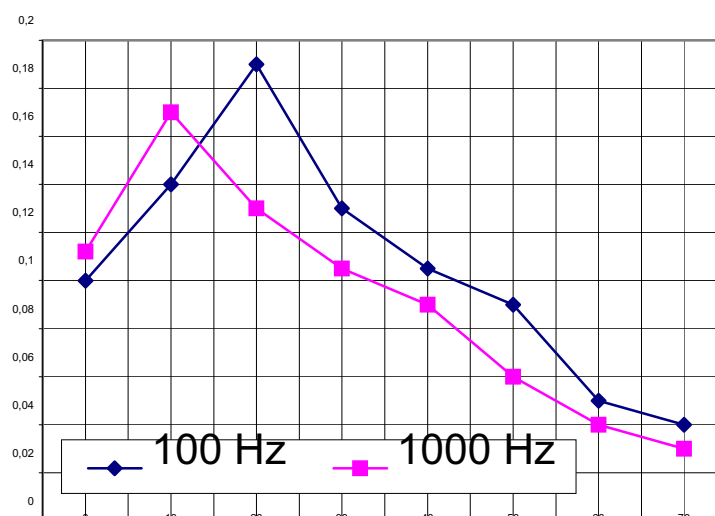
Vibraflex is a damping sheet for structure-borne sound made of soft aluminium with a visco-elastic damping layer.

Vibraflex has low weight, can be bent, and is self-adhesive.

Advantages

- ☐ Good damping of thin sheet metal
- ☐ Low weight
- ☐ Wear resistant
- ☐ Hygienic
- ☐ Water repellent
- ☐ Odourless
- ☐ Incombustible
- ☐ Long service life

Combined Loss factor, η Measured at 0,8 mm steel



Temperature, °C

Technical data

Damping capacity	Loss factor according to diagram
Resistance to temperature	-25°C to +160°C
Fire class	Surface layer class 1
Adhesive's tear strength	Approx. 15 N/cm test width
Colour	Metallic glossy
Thickness	0.3 mm Al 0.1 mm Damping layer
Weight	0.9 kg/m ²
Delivery format	1000x1000 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.

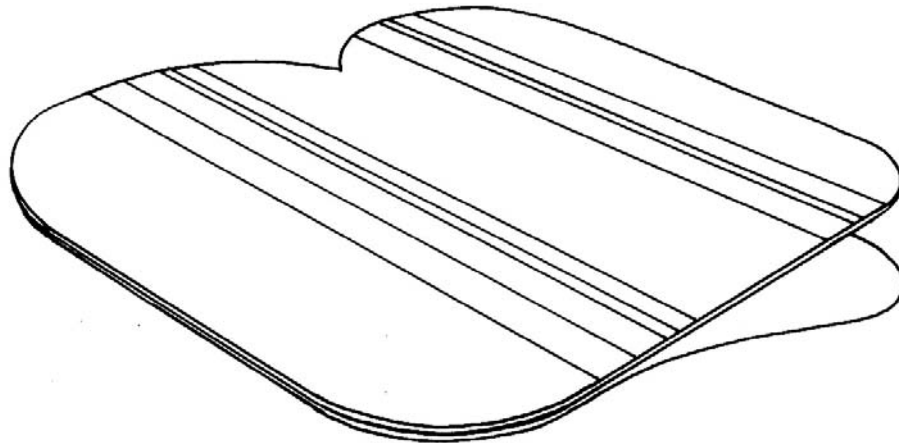
SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Vibraflex	VF
Relative loss factor	13
Aluminium surface	AL
Fire class 1	SB
Order code	VF13ALSB



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Vibraflex 28 RF SB

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components, packing machinery.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery, aircraft.

Health care and large-scale kitchens

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

Vibraflex is a damping sheet for structure-borne sound made of soft stainless with a visco-elastic damping layer.

Vibraflex has low weight, can be bent, and is self-adhesive.

Advantages

- ☐ Good damping of thin sheet metal
- ☐ Low weight
- ☐ Wear resistant
- ☐ Hygienic
- ☐ Water repellent
- ☐ Odourless
- ☐ Incombustible
- ☐ Long service life

Technical data

Damping capacity	Loss factor according to diagram
Resistance to temperature	-25°C to +160°C
Fire class	Surface layer class 1
Adhesive's tear strength	Approx. 15 N/cm test width
Colour	Metallic glossy
Thickness	0.2 mm Stainless Steel 0.1 mm Damping layer
Weight	1,6 kg/m ²
Delivery format	725x1000 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

Vibraflex	VF
Relative loss factor	28
Stainless Steel Surface	RF
Fire class 1	SB
Order code	VF28RFSB



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Vibralon 25 SB

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components.

Transport och contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large-scale kitchens

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

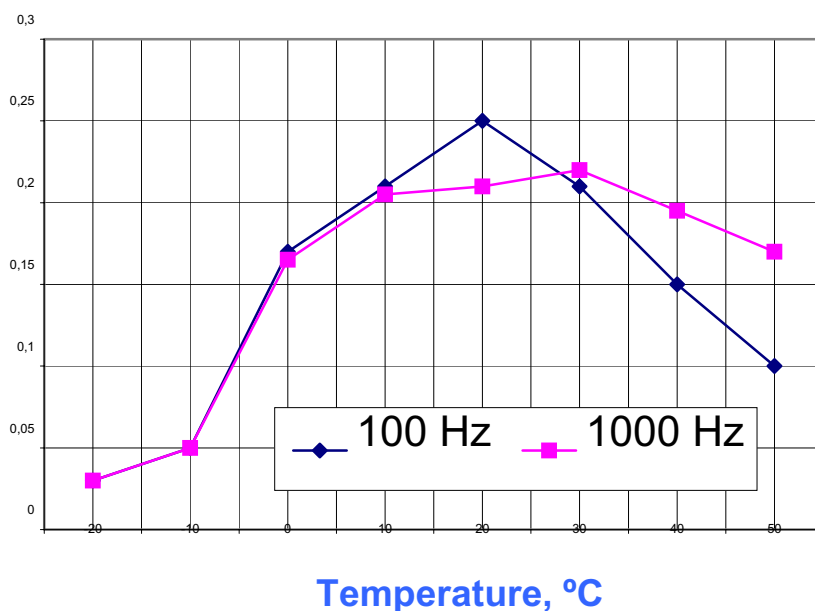
Vibralon 25 SB is a damping sheet for structure borne sound made of a visco-elastic polymer.

The product has low weight, is flexible and self-adhesive.

Advantages

- ❑ Good damping of thick sheet metal
- ❑ Good damping for a wide frequency range
- ❑ Odour less
- ❑ Difficult to ignite
- ❑ Easy to shape with heat
- ❑ Resistant to petrol and most chemicals
- ❑ Long life cycle

Combined Loss factor, η Measured at 0,8 mm steel sheet



Technical data

Loss factor	See diagram. Geigersheet: 75dB/s
Resistance to temperature	-40°C till + 180°C
Fire class	Certified according to UL94-V0
Coefficient of thermal conductivity	$\lambda = 0,11 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Beige
Thickness	1,3 mm
Weight	1,6 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

Vibralon	Vibralon
Relative Loss factor	25
Fire class UL94- V0	SB
Example of order code	Vibralon25SB



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Vibralon 9R

Applications

Industry

Machine tools, fans, chip extractors, printing machinery, vibrators, electric motors, hydraulic components.

Transport and contracting

Motorcars, buses, trucks, contractor's machinery, forest machinery.

Health care and large scale kitchen

Kitchen sink units, dishwashing machines, dialysis machines, circulation pumps, air pumps, roller tables.

Buildings

Lifts, motor rooms, fans and ducts.

Offices

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

Method of application

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

Product characteristics

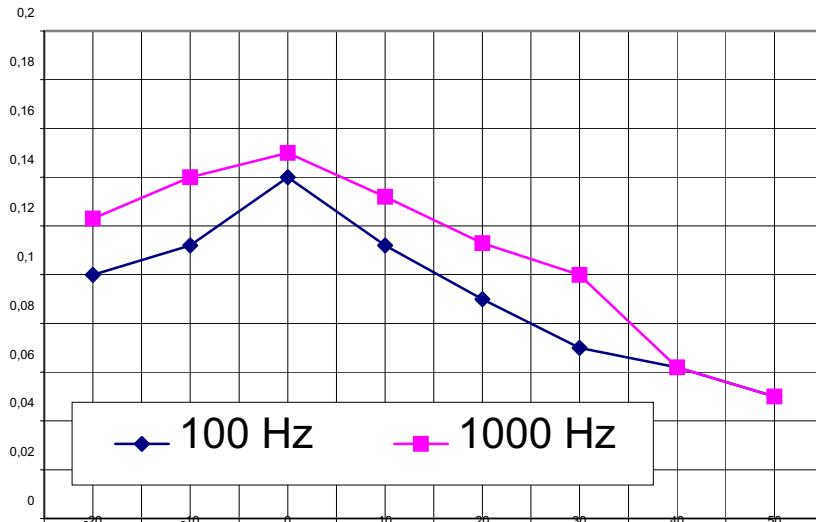
Vibralon 9R is a damping sheet for structure-borne sound made of EPDM and filling.

The product is flexible mouldable and self-adhesive.

Advantages

- ❑ Good damping of thin sheet metal
- ❑ Resistant to petrol and alkali
- ❑ Flexible at low temperature
- ❑ Water repellent
- ❑ Long service life
- ❑ Difficult to ignite

Combined Loss factor, η Measured at 0,8 mm steal sheet



Temperature, °C

Technical data

Loss factor	See diagram
Resistance to temperature	-25°C to + 110°C
Fire class	FMVSS 302
Coefficient of thermal conductivity	$\lambda = 0,11 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Black or Aluminium
Thickness	1,9 mm
Weight	3,5 kg/m ²
Delivery format	1000x2000 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.

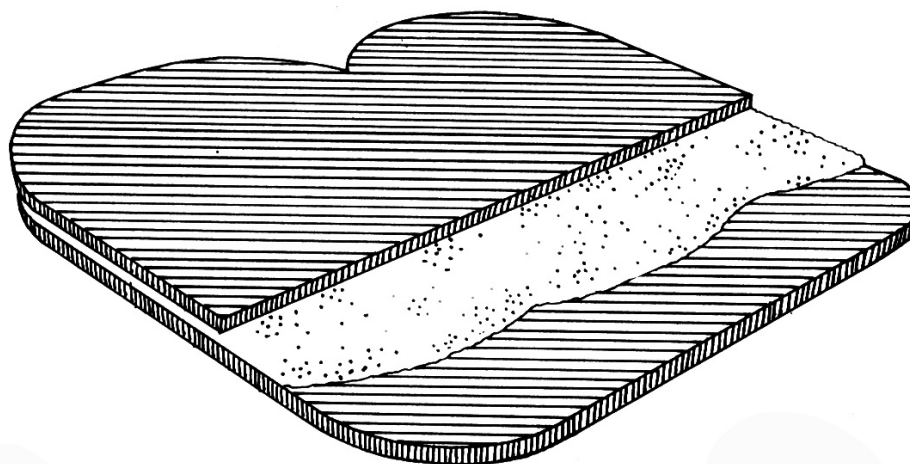
SONTECH can also assist with advice and sound measurements for noise control and in the manufacture of customised material sets.

Designation system

Vibralon	VB
Relative Loss factor	9
Example of order code	VB9 R



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Vibramet

Applications

Industry

Workshop machines, fans, mills, printers, material handling machines, ovens, particle separators, power equipment, generators, engine components, compressors, hydraulic equipment, food processing machines, lawnmowers, hoods.

Transportation and vehicles

Engine components, off road vehicles, gardening tools, combustion mufflers.

Office

Computers, printers, sorting- and enveloping machines.

Hospital and kitchen

Dish and washing machines, vacuum cleaners, ovens, air conditioners, mobile walls, circulation pumps, dialyses units.

Architecture

Elevators and engine rooms, ventilation installations, doors, floors, transportation shoots, fans.

Method of use

Vibramet can be more or less handled in the same way as normal steel metal, but the sound damping layer requires more consideration. Sontech will assist and provide You with more details regarding; Welding, Pressing, Shearing, Die cutting, Sawing, Cutting and Bending Vibramet.

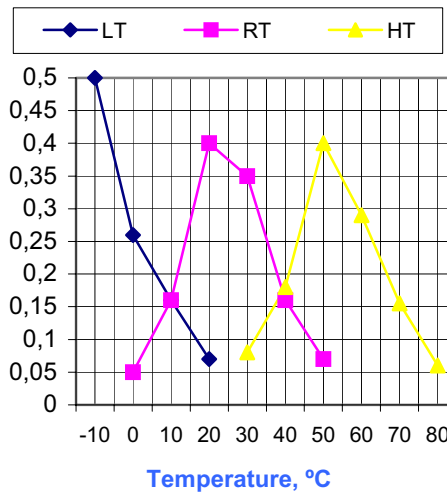
Product characteristics

Vibramet is a range of products for damping structure borne sound, consisting of two metal facing sheets bonded by a viscoelastic core. The sound damping qualities of the viscoelastic core is temperature dependant.

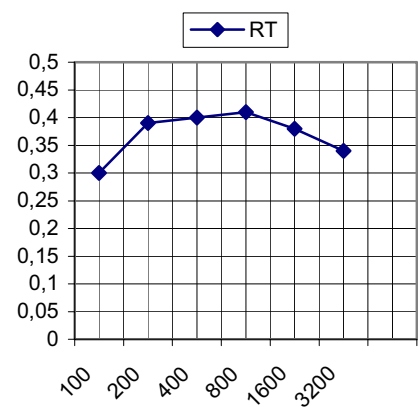
Advantages

- ❑ Replaces structural material and is therefore virtually zero weight added
- ❑ Damping is designed into product
- ❑ Increase in sound transmission loss often equal to addition of equal mass of barrier material to mass of metal panel
- ❑ Very good damping performances also at low and high temperatures
- ❑ Save production time
- ❑ Hygienic
- ❑ Mechanically rigid and tough
- ❑ Resistant to wear
- ❑ Does not age
- ❑ Recyclable
- ❑ Non combustible

Combined Loss factor, η
f = 200 Hz



Comb. Loss factor, η ,
T = +22 °C



Technical data

Loss factor	According to diagram
Temperature resistance	-25°C to + 180°C
Flammability	Non combustible
Metal	Aluminium, steel, stainless steel
Color	Metal surface
Damping foil thickness	0,1 mm
Product Thickness	0,6-4 mm
Weight	Depending on Metal
Formability	As metal sheet
Sheet size	1000x2000 mm Other dimensions on demand.

Frequency, Hz, Third Octave Bands

Experiences

SONTECH has a long experience of many practical sound damping projects. This experience is a valuable addition to the laboratory data shown in this document.

SONTECH can help you with advice and sound measurements as well as manufacturing a complete material kit.

Designation system

Vibramet	VM
Metal	Steel, Stainless Steel or AL
Steel thickness, mm	1+1
Temperature range	LT, RT or HT
Example of ordering code.	VM RT 1+1



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Vibrocell SA

Applications

Industry

Workshop machines, fans, mills, printers, material handling machines, ovens, power equipment, generators, compressors, hydraulic equipment.

Transport and constructional

Scooters, trucks, contractor's machinery, forest machinery, gardening tools.

Buildings

Lifts and motor rooms.

Offices

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

Method of use

The pieces are cut or punched out to the desired shape and carefully pressed on to the surface to be damped. When applying, the surface must be free from oil, dirt, and dust.

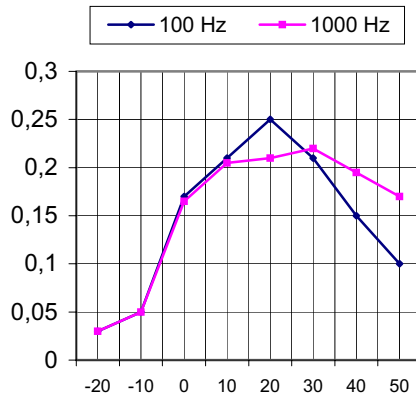
Product characteristics

Vibrocell SA is a sound absorbing and structure borne sound damping material of foamed polyurethane with open cells (Tecno-cell SA) laminated with a structure borne sound damping foil, Vibralon. The laminate is self-adhesive.

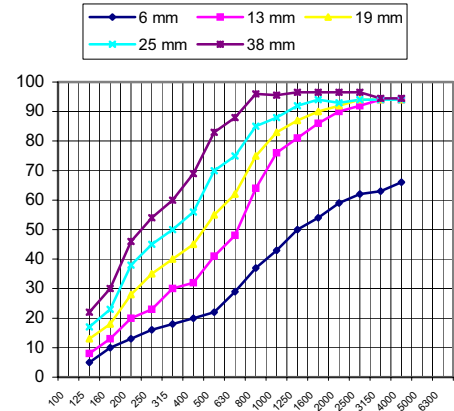
Advantages

- ❑ Combines good damping with good sound absorption
- ❑ Embossed and treated surface increases the sound absorption 20-35%.
- ❑ Aesthetically attractive surface
- ❑ Fire proof

Comb. Loss factor, η
Measured at 0,8 mm steel sheet



Absorption coefficient, %
(ISO 10534)



Temperature, °C

Technical data

Absorption coefficient and Loss factor	See diagram
Resistance to temperature	-40°C to + 120°C
Fire class foam and Damping foil	Certified acc.vto UL94HF1
Coefficient of thermal conductivity	$\lambda = 0,36 \text{ W/m}^\circ\text{C}$
Adhesive's tear strength	Approx 15 N/cm test width
Colour	Dark grey
Thickness Absorber Damping foil	6, 13, 19 or 25 mm 1,3 mm
Density absorber	Approx 33 kg/m ³
Weight damping foil	1,6 kg/m ²
Delivery format	1000x1500 mm (other sizes and shapes can be supplied on request)

Frequency, Hz, Third Octave Bands

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

Vibrocell	VC
Thickness in mm	6, 13, 19 or 25 mm
Fire class UL94HF1	SA
Example of order code	VC13SA



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