



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

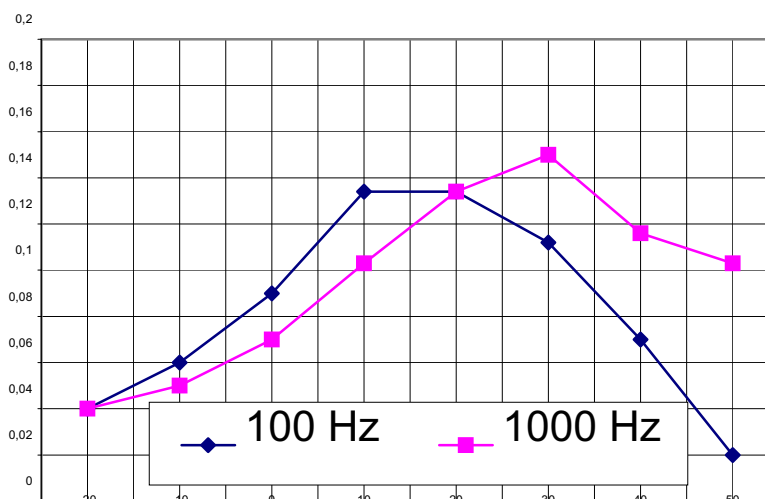
Damping foil 15 is a damping sheet for structure borne sound made of bitumen-impregnated textile felt with a visco-elastic damping layer.

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.

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

Designation system

| | |
|----------------------|------|
| Damping foil | DF |
| Relative Loss factor | 15 |
| Order code | DF15 |

