



### 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.

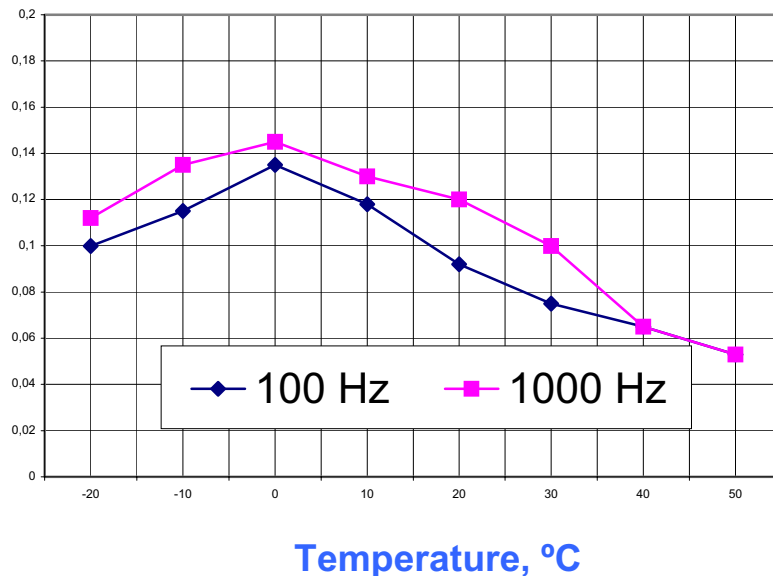
#### Advantages

- ❑ 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, $\eta$ Measured at 0,8 mm steel sheet



### 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 <sup>2</sup>
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. 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	9
Aluminium surface (additional)	AL
Order code	DF9

