



### 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  $30 \text{ N/cm}^2$  for at least 5 minutes.

#### Product characteristics

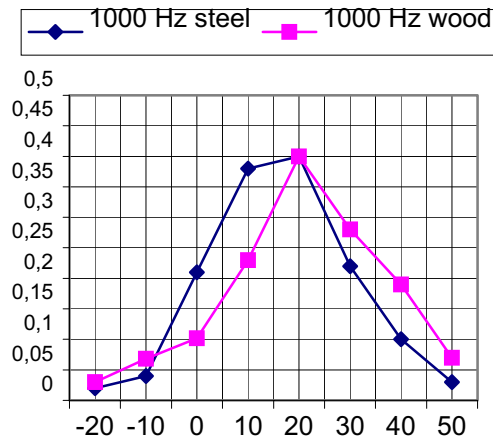
Sandwich foil SFRT is a viscoelastic foil of fibre-enforced bitumen.

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, $\eta$

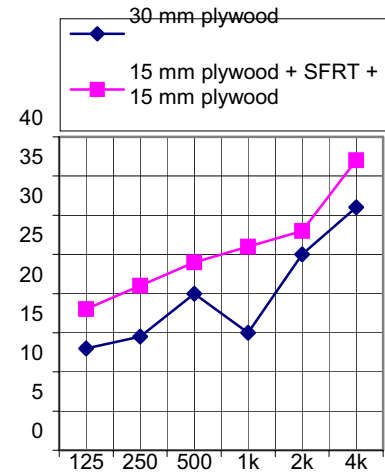


Temperature, °C

## 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 <sup>2</sup>
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.

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

Sandwich foil SF

Optimised for room temperature RT

Example of order code SFRT

