



ACUSTILON

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.

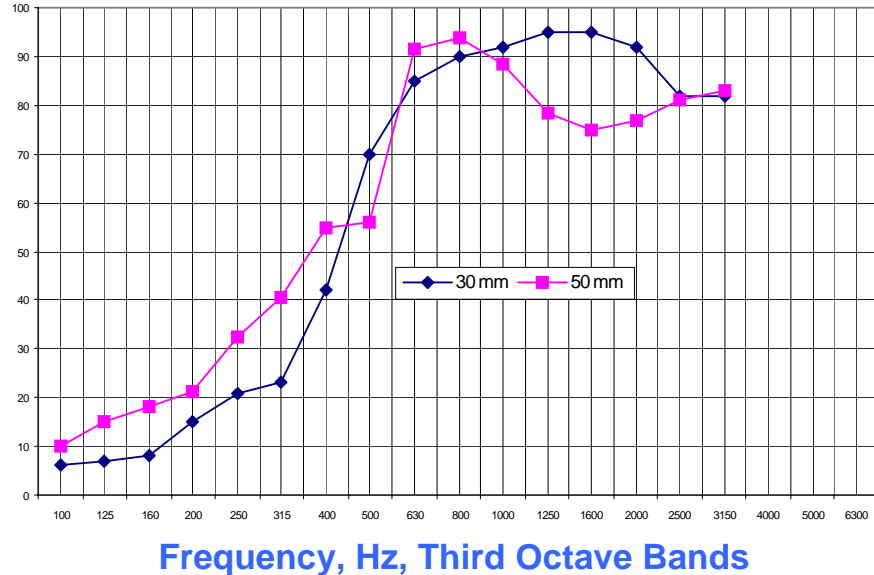
Product characteristics

Acustilon is an sound absorbing plastic sheet without any fibres or foam. The micro-perforations is used to optimise the absorption. Polymer quality and thickness can be chosen according to requirements.

Advantages

- Does not attract fluids or dirt
- Easily cleaned
- Does not age
- Aesthetic appearance
- Resistant to chemicals
- Fibre free
- Good sound absorption
- Mechanically rigid and tough
- Resistant to wear
- Easy to form

Absorption Coefficient % (ISO 10534)



Technical data

Sound absorption	See diagram
Temperature resistance	Depending on polymer
Flammability	Depending on polymer
Base material	PP, PE, PES, PVC
Colour	On demand
Thickness	1,2,3 mm, Other on demand.
Weight	Depending on Metal
Formability	As plastic sheet
Sheet size	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

Acustilon	AcL
Thickness mm	0,5 ; 1
Base Material	PP
Example of ordering code.	AcL1PP