

## SOUND ABSORPTION

### ACUSTIMET – All-metal sound absorbing element



| Metal           | Thickness                     | Weight    | Colour    |
|-----------------|-------------------------------|-----------|-----------|
| Aluminium       | 1, 2, 3 mm<br>Other on demand | See below | On demand |
| Steel           | Stainless                     |           |           |
| Stainless steel | 0,5 mm                        |           |           |

#### Product characteristics

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

#### Technical Data

|                        |                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature resistance | Aluminium (AL) : -40°C to +300°C<br>Steel (FE) : -40°C to +400°C<br>Stainless Steel(SS) : -40°C to +600°C                                                                                                                                                      |
| Flammability           | Non combustible, Self-extinguishing                                                                                                                                                                                                                            |
| Colour                 | On demand                                                                                                                                                                                                                                                      |
| Thickness              | 1, 2, 3 mm other on demand<br>Stainless steel 0,5 mm                                                                                                                                                                                                           |
| Weight                 | AL 1 mm approx : 2,40 kg/m <sup>2</sup><br>AL 2 mm approx : 5,50 kg/m <sup>2</sup><br>SS 0,5 mm approx. : 4,26 kg/m <sup>2</sup>                                                                                                                               |
| Surface treatment      | Powder coating, anodized, flat-rolled                                                                                                                                                                                                                          |
| Formability            | As metal sheet                                                                                                                                                                                                                                                 |
| Advantages             | Does not attract fluids or dirt, easy to clean, withstand high temperatures, does not age, resistant to chemicals, fibre free, good sound absorption, mechanical rigid and tough, aesthetic appearance, resistant to wear, no static electricity, easy to form |

#### How to apply

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

#### 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.

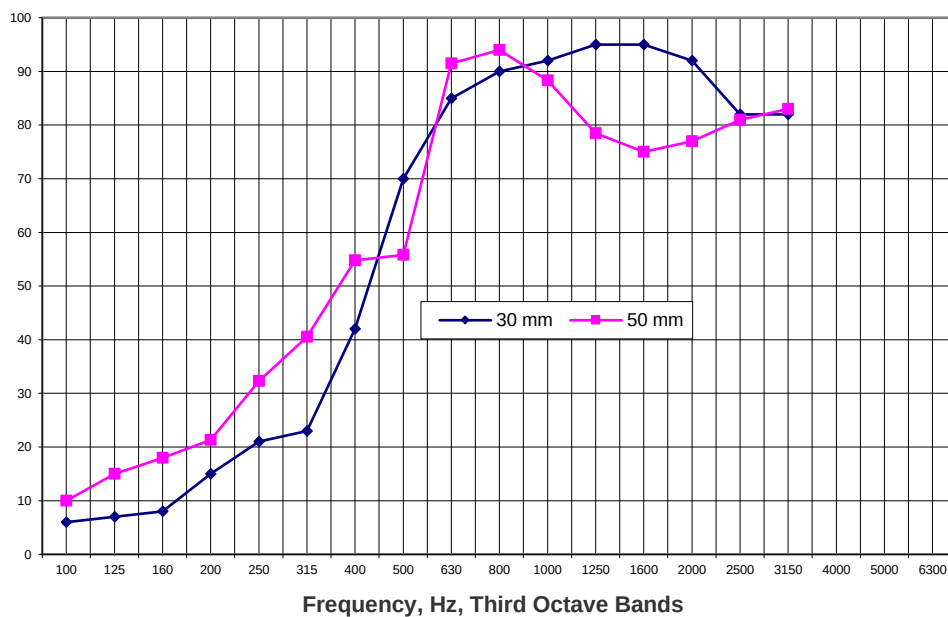
#### Sheet size

Dim.: 600 x 1200 mm, 1000 x 2000 mm and OEM custom made parts

DISCLAIMER  
De omschreven toepassingen en aanbevelingen zijn zo correct mogelijk weergegeven maar zijn vrijblijvend en bieden geen garanties. Bij twijfel over toepassing of verwerking zelf een test uitvoeren of contact met ons opnemen. We behouden ons het recht om zonder kennisgeving vooraf, productgegevens te wijzigen.

## ABSORPTION COEFFICIENT %

Insulation material : ACUSTIMET  
Measurement method : ISO 10534



\*\* 30 mm and 50 mm refers to the airspace distance behind the microperforated panel absorber.(MPP) tested with 1 mm AL



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