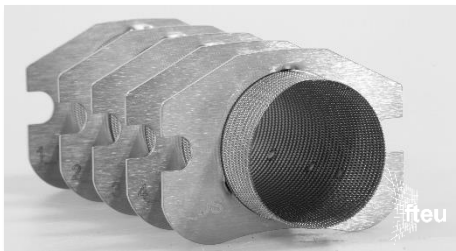
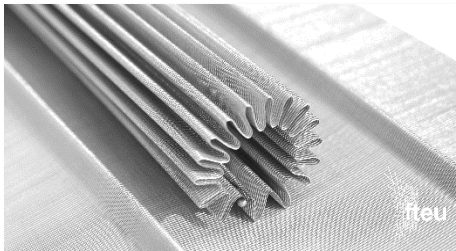
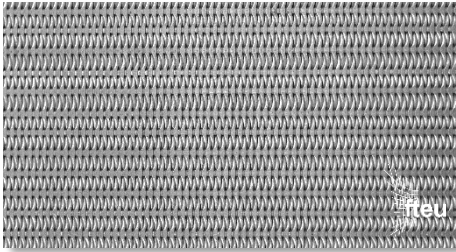


# Technology presentation

## MASH® sound absorbers (I/II)



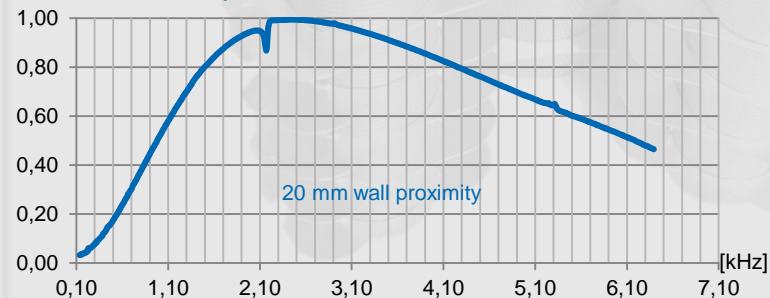
### Fibre-free

- **3D:** MASH® possesses a unique 3D-structure that achieves effective sound absorption fibre-free (see cross section view below)
- **Durability:** robust material allows long life times; even under specific conditions (i.e. humidity)
- **Cleanability:** easy-to-clean as the material can be cleansed using liquid
- **Functionality:** fibre-free properties and metal material make MASH® a suitable solution for specific demands (i.e. humidity, hygiene, explosion risk)

### Broadband

- **Broadband spectrum:** MASH® allows broadband absorption that can be achieved using single- or multi-layered absorber designs
- **Low frequencies:** MASH® is capable of absorbing machine-typical low frequencies <1kHz effectively

### MASH® absorption coefficient



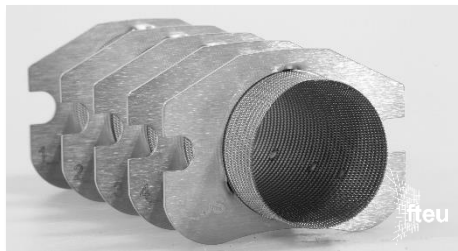
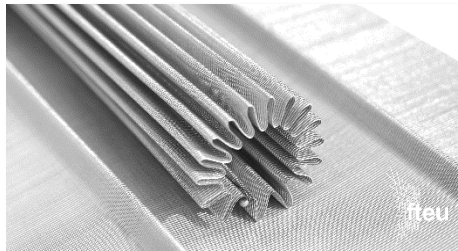
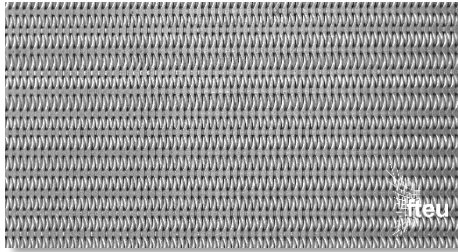
### MASH® 3D-structure



MASH® cross section view

# Technology presentation

## MASH® sound absorbers (II/II)



### Metallic

- **Material:** available in stainless steel (i.e. AISI304, AISI309, AISI316L) and aluminium qualities (i.e. AlMg3)
- **Thickness:** 0.68 mm
- **Joining:** absorber set-ups of MASH® can be welded, bonded, or pressed

### Formable

- **Various shapes:** MASH® offers manufacturing properties that are comparable to sheet metal and allow the realization of various shapes
  - **Tube sound absorbers** (i.e. tubes for funnels or exhaust channels in various machinery)
  - **Areal sound absorbers** (i.e. sealing covers for buildings)
  - **Molded sound absorbers** (i.e. exhaust elbows for automotive, shield plates for chain saws)

### MASH® application sectors



Architecture



Automotive



Food



Aviation



Health Care/Pharma



Maritime



Machinery