

# MASH® data sheet

## Fibre-free absorption technology

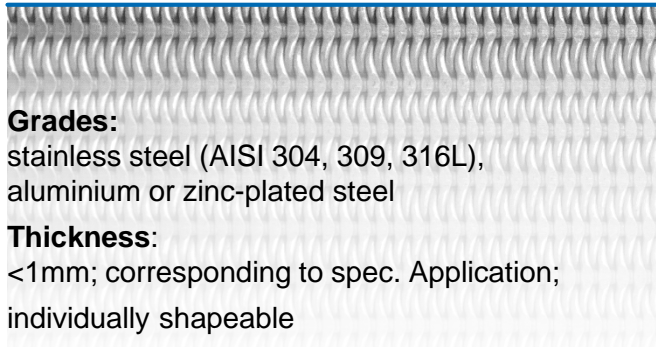


### MASH®: fibre-free – metallic – deep-structured (3D)

MASH® - Material Absorbing Sound and Heat is an fteu®-technology for fibre-free sound absorption. MASH® uses metal mesh structures as material basis. It functions effectively for sound absorption through its unique defined 3D-deep-structure – broadband and also for frequencies < 1 kHz. As fibre-free and metallic absorber material MASH® is cleanable, durable, explosion-resistant and fireproof. MASH® is manufactured by fteu® in defined qualities and monitored production processes.

For the application MASH® is individually configured as part of an entire sound absorber assembly. Depending on the actual application environment, a MASH® specification is selected to address the relevant sound spectrum for that specific application – i.e. for broadband sound absorption or for effective absorption of sound emissions from industrial machinery/processes.

### Material



#### Grades:

stainless steel (AISI 304, 309, 316L),  
aluminium or zinc-plated steel

#### Thickness:

<1mm; corresponding to spec. Application;  
individually shapeable

#### Aerial weight:

3.3 kg/m<sup>2</sup> (AISI 304); 1.1 kg/m<sup>2</sup> (aluminium)

### Application/acoustics

#### Shape:

laminar material, as pipe or in individual shapes;  
flat or pleated

#### Flow resistivity (ISO 9053):

230'800 Pa s/m<sup>2</sup>

#### Perforation rate:

0.152

#### Fire class:

A1

*Material  
analysis  
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Better Function in Metal Mesh

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