



## HIGHLIGHTS



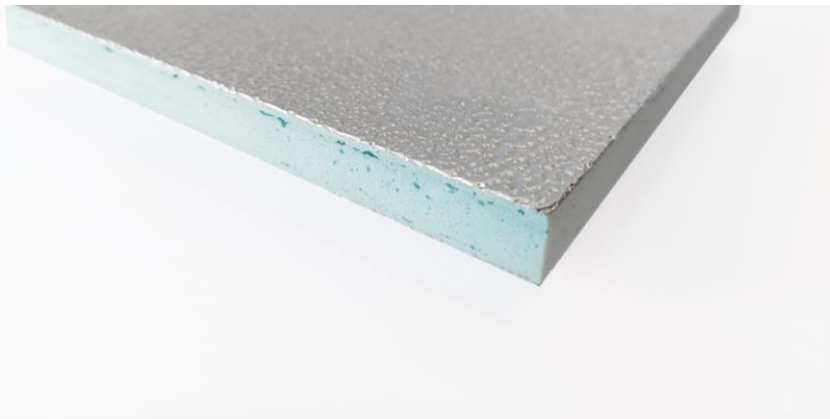
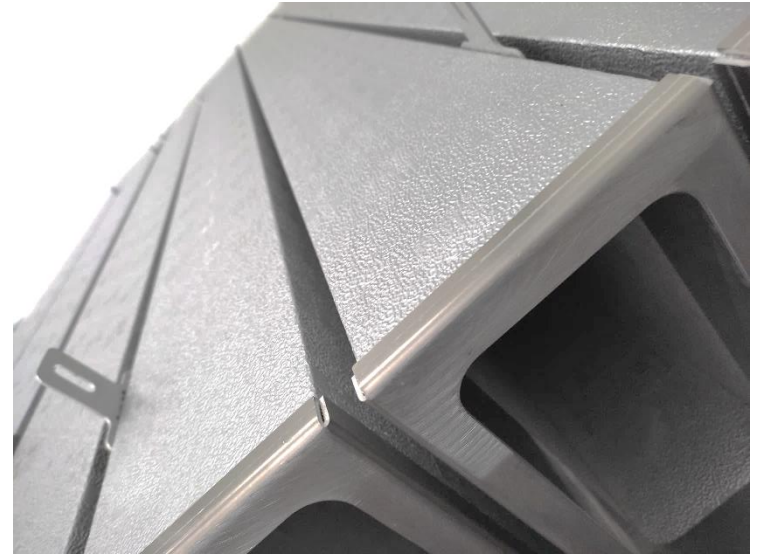
- 1 Air duct made of sandwich material
- 2 Flexible molded part made of VMQ – silicone aramid fabric
- 3 Individual metal flange according to the connection geometry

## PRODUCT DESCRIPTION

Lightweight HVAC air duct systems provide uniform air circulation in air-conditioned passenger interiors. MöllerWerke GmbH offers in combination with its flexible compensators complete air duct systems, which are manufactured individually according to customer requirements. The 12 mm thick sandwich material, which has an insulating core, is made of PU foam laminated with aluminium foil on both sides. The material meets the fire protection standard according to EN 45545-2 and is classified according to R1/HL3. The air duct systems have a high adaptability to temperature fluctuations, as these have been developed for operating temperatures from -30°C to +80°C.

## Customer-specific air duct systems

- Individually manufactured lightweight air duct systems
- Adaptable to any vehicle geometry
- Energy saving insulating material
- Possibility to expand the air duct system with MöllerWerke GmbH compensators



## Material characteristics

- 12 mm sandwich material consisting of:
  - Aluminium foil
  - PU foam
- Density of the sandwich:  
60 kg / m<sup>3</sup>
- Thermal conductivity:  $\lambda$  0,022 W/(mK)

## Standards and parameters

### Fire protection classes

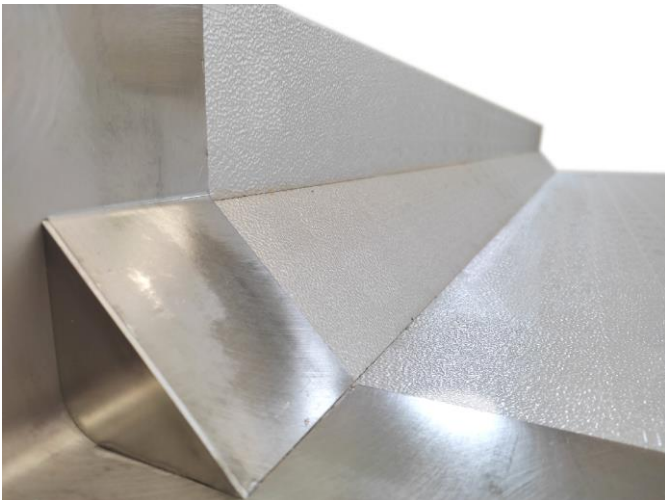
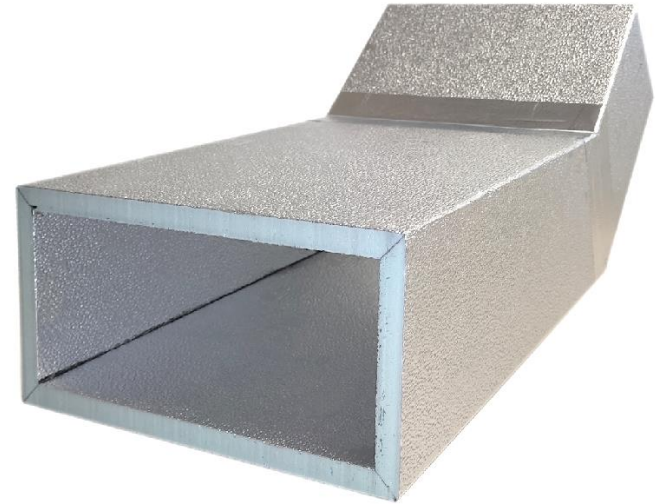
- DIN EN 45545-2
- R1 / HL3 Classification

### Resistance

- Resistance to cold -30 °C
- Cold-breaking temperature -50 °C
- Max. temperature +80 °C

### Further certifications

- DIN EN 6701



## Internal product tests

The air ducts are tested in our own test laboratory according to DIN EN 61373. In addition, further tests can be organized according to international standards as well as customer-specific requirements.

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