



Commercial Vehicles

Mayser offers comfort features for all vehicle and machine types.

Interior components and acoustic insulation from a single source.

Commercial vehicles are subjected to the challenges of high loads in daily use. It is not only necessary to guarantee mobility, but also to fulfil the requirements of diverse industries and areas of application. The interior components must meet stringent standards with respect to tactile and visual properties, in addition to providing good acoustic insulation.

The solutions from Mayser Foam Technology and Moulding are custom tailored to the areas of application of all commercial vehicle types. Our products feature versatile functionality and are designed for effective acoustic insulation, easy installation and a high degree of dimensional stability.

Mayser develops and produces interior and acoustic components for all vehicle and machine types: from construction and agricultural machinery to motor caravans and special vehicles, in addition to classic mechanical engineering applications.

We offer the right products for every area of application:

- Interior components: self-supporting moulded parts, embossed parts, punched and cut-to-size parts
- Acoustic insulation

In close coordination with the development and design department and your personal customer representative, we develop individual solutions for you, also in small and mid-sized batches.



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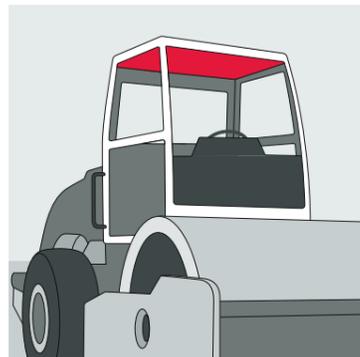
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1 Areas of application

Mayser manufactures INDUMONT interior components and INDUPHON® acoustic insulation from mixed fibre fabric on the basis of natural and synthetic fibres, PUR foams or modified PUR foams.

Our products are used in numerous applications in commercial vehicles:

- Roof liners
- Back panels
- Column, side and door panels
- Armrests
- Consoles
- Rear parcel shelves
- Bonnet insulation



Roof liners



Back panels



Column panels



Armrests



Acoustic insulation

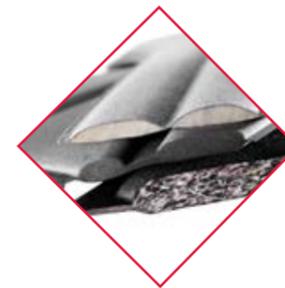
2 Our solutions



Interior components

INDUMONT interior components are custom tailored for various vehicle types, such as construction and agricultural machinery, motor caravans and special vehicles. Mayser has established a reputation as a manufacturer of high-quality interior components with individual product solutions.

Our production concept also allows us to offer small and mid-sized series with good cost effectiveness.



Acoustic insulation

INDUPHON® acoustic insulation consists of acoustically effective foams that are used in the construction of vehicles and machines to absorb airborne sound.

Materials and surfaces define the acoustic absorption in different frequency ranges and also fulfil other requirements.

3 INDUMONT interior components

INDUMONT interior components used in vehicle construction are self-supporting moulded parts of needle punched fabric, as well as embossed and punched parts of polyurethane foam. Our large selection of base and decorative materials forms the basis for a broad spectrum of applications.

Moulded parts

Pressed three-dimensional moulded parts feature outstanding dimensional stability in a lightweight design. In addition, base materials offer excellent acoustic properties.

The diversity of materials, designs and processes available in our product portfolio make it possible to offer high-quality products of an individual nature.

Embossed and punched parts

Thermoformed parts of acoustically effective polyurethane foams (ester or ether) combine form and function.

Embossing creates closed component edges or also flexing creases, e.g. for 3D installation situations.

Lamination with decorative and functional textiles, foils or surface coatings fulfils additional functional and visual requirements.

Your benefits

- ✓ Self-supporting
- ✓ Large selection of different decorative materials, colours and designs allows sufficient freedom for an individual vehicle interior
- ✓ Lightweight and dimensionally stable
- ✓ Recyclable
- ✓ Various surface laminations and coatings are possible
- ✓ High-quality appearance
- ✓ Low installation costs
- ✓ Also suitable for small and mid-sized batches

Product properties

Material	Base weight (in g/m ²)	Component thickness (in mm)	Varying wall thicknesses	Acoustics	Tactile properties	Stability*
Natural fibre/PP	1.000 – 2.000	3 – 4	No	+	++	++
Recycled fibre	1.000 – 1.800	3 – 4	No	+	+	++
Glass/PP	1.000 – 2.000	3 – 8	Yes	++	++	+++
100% PES	1.000 – 2.000	3 – 15	Yes	+++	+++	+++
PUR		3 – 50	Yes	+++	+++	+

*dependent on base weight



4 INDUPHON® acoustic insulation

INDUPHON® acoustic foam is a sound-absorbing material made of modified PUR foam. The selection of special foam and surface qualities allows adaptation of the absorption behaviour to a specific frequency range.

For use in damp environments INDUPHON® is also available as a PUR ether foam.

Areas of application for our acoustic insulation are engine bonnets, cab floors, machine housings and back linings of diverse interior components in the cabs of construction and agricultural machinery or special vehicles.

Closed surfaces make INDUPHON® a damped self-oscillating system and reduce the energy of impacting sound waves. Laminations enable protection against harmful influences while creating a visually attractive design.

Your benefits

- ✓ Creation of an individual design
- ✓ Air-permeable surfaces, compressed or embossed
- ✓ Coated surfaces
- ✓ Laminated surfaces with PUR foils, non-woven fabrics, artificial leather or flame-retardant textiles
- ✓ Partial embossing in a hot-stamping process enables closed component contours as well as flexing creases for easier installation
- ✓ Low tooling costs for embossed parts

Product properties

INDUPHON®	Surface	Comments
S/Quadro	Compressed, embossed	
S/C	Acrylate coated, open pored	Oil and water repellent, special colours on request
S/CK	Acrylate coated, skin	Oil and water repellent, special colours on request
S/F	Laminated with PUR foil	
S/V	Thermally compressed	
S/Vlies	Laminated with fabric	Petrol, oil and water repellent
VB/Vlies	Laminated with fabric	Composite foam up to RG 100

Options

- self-adhesive properties (mod. acrylate dispersion adhesive)

Available

- PUR ester or ether based (depending on area of application)
- In rolls or sheets
- Thermally shaped or punched parts according to drawing



The technical data is applicable as of the date of printing. Technical specifications, design and features are subject to change without notice, due to continued development at Mayser – errors excepted. Illustrations are not binding and may contain options.



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