

## Product portfolio

Engine Bay · Interior Floor · Underbody  
Sustainable Champions · New Mobility  
Measurement Systems · Simulation Tools



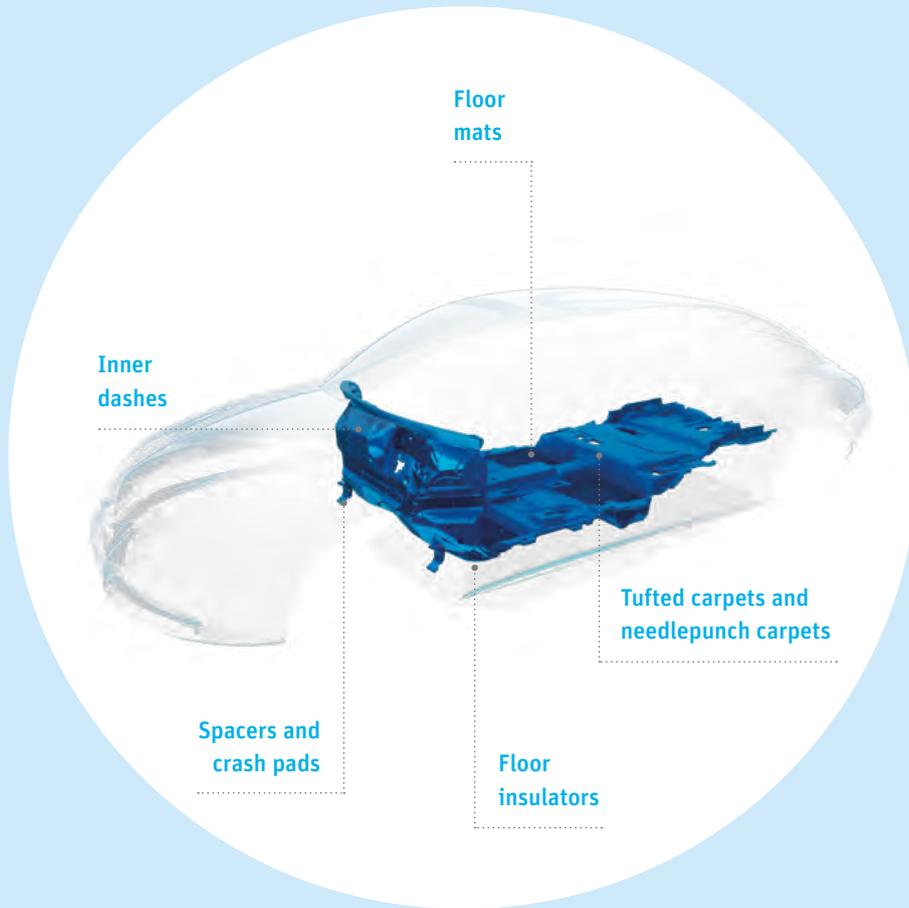


# Interior Floor

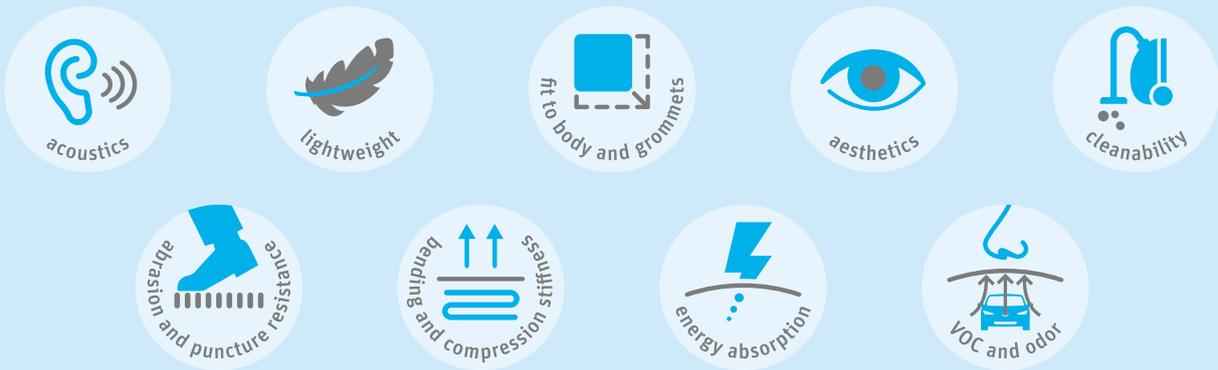
Autoneum's interior floor products makes the vehicle lighter, more comfortable and environmentally-friendly – while providing optimum acoustics performance at the same time. In addition, these multi-functional components also meet the increased requirements for comfortable vehicle interiors thanks to their outstanding cleanability, low odor and high durability.



For further information, please contact:  
**Autoneum | Global Product Management Interior Floor**  
[interior-floor@autoneum.com](mailto:interior-floor@autoneum.com)



These products include a variety of features and benefits



Autoneum supplies interior floor components to these customers



# Di-Light

Better durability and perceived quality



Needlepunch carpets have until now been seen as cost effective textile surfaces but prone to flattening and wear over lifetime. With Di-Light, Autoneum now offers a more durable non-woven carpet thanks to its great abrasion resistance and resilience. The technology additionally allows an attractive esthetics even in highly shaped carpet areas due to its uniform surface appearance. The needlepunch carpet absorbs noise entering the passenger compartment from the road or engine bay, thereby contributing to enhanced driving comfort.

The enhanced resistance/weight ratio and the homogeneous look and feel of the carpet are based on newly developed fibers. Depending on the product variant, they consist of up to 97% of recycled PET which is reflected in the carpet's excellent environmental performance.

## BENEFITS

Homogeneous  
look and feel

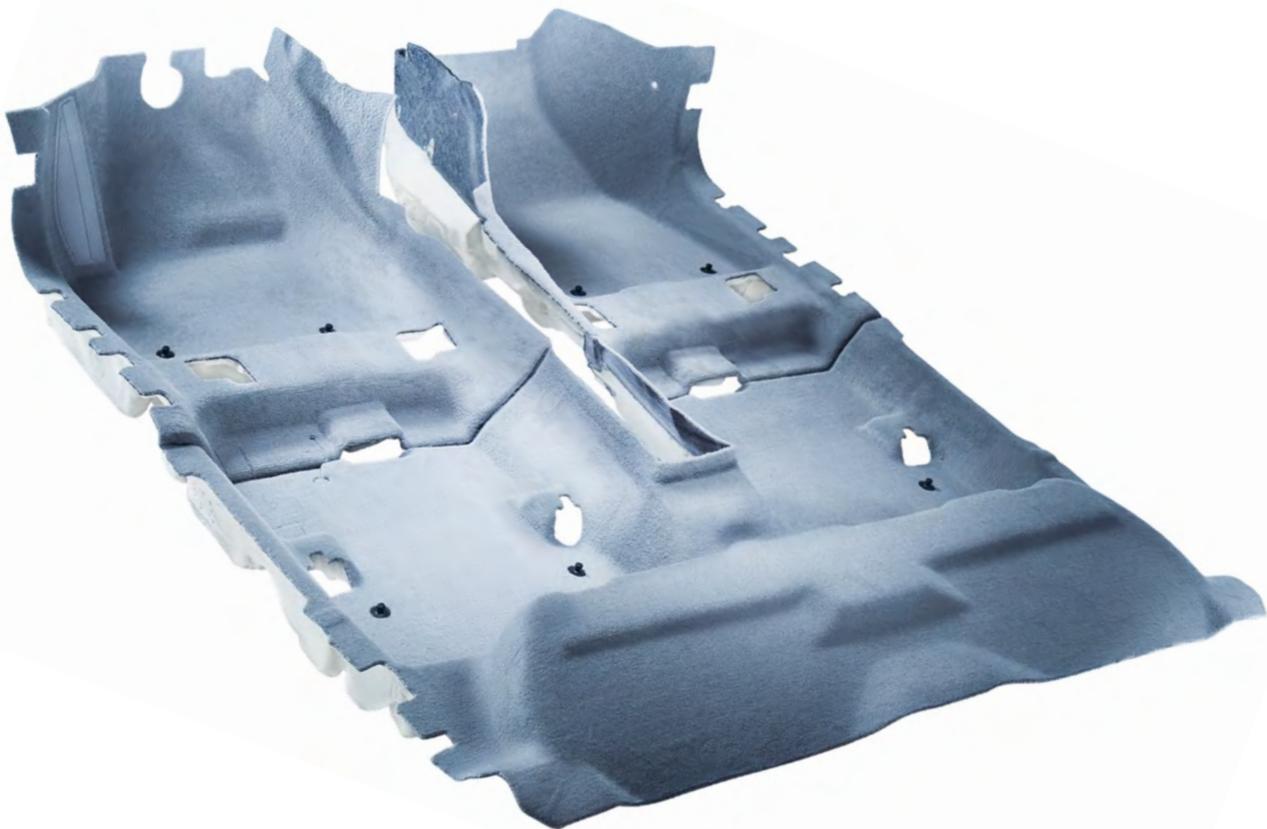
Highly resilient and  
wear-resistant

97%

Made from up to  
97% recycled PET

# Clean-Tuft

Easy to clean and more premium



## BENEFITS

Easy to clean  
from dirt

High stain  
resistance

Premium  
aesthetics

This technology for tufted carpets has a number of advantages compared to the needlepunch carpets mainly used in the compact and medium class. Thus, also drivers of these vehicle classes benefit from the quality standard and the look and warmth feeling of premium carpeting.

Clean-Tuft offers a clearly improved cleanability compared to needlepunch floor coverings: In particular, small particles such as grass, sand or animal hairs can be removed more easily and thoroughly because of the vertical orientation of the carpet filaments and the characteristics of the polymer used. Carpet systems based on Clean-Tuft also feature high stain-resistance thanks to its hydrophobic property.

# Hybrid-Acoustics

Unique combination of absorption and insulation



Hybrid-Acoustics provides automobile manufacturers with a versatile acoustic solution for inner dashes, floor insulators and wheelhouse inner liners. This hybrid technology for vehicle interiors offers a unique performance-to-weight ratio: Hybrid-Acoustics is up to 50% lighter than conventional solutions, thus the lightest hybrid technology on the market. Furthermore, it consists largely of recycled materials, which reduces CO<sub>2</sub> emissions during the production process.

Thanks to the dynamic stiffness-controlled layer (DSL), the acoustic properties of Hybrid-Acoustics parts can be locally tuned to maximize absorption or insulation performance. As a result, Autoneum's Hybrid-Acoustics parts can be designed to tackle any acoustic challenges in vehicles. Statistical energy analysis (SEA) simulations that take the available packaging space into account, the acoustic loads and the part's environment are used to find the most optimum material configuration before a physical prototype of the car is available.

## BENEFITS

Insulates and absorbs noise simultaneously

Lightweight

Customized  
acoustic tuning

# Prime-Light

Extremely light and high design freedom



## BENEFITS

Lightweight

Improved design  
capability

High  
recycled content

Prime-Light is the latest advancement of Autoneum's successful Ultra-Light technology. Components based on this innovative technology can be formed into a wide variety of different shapes and sizes. This way they adjust optimally to the individual body-in-white shapes and take account of increasingly complex production processes in vehicle construction.

Prime-Light also convinces with a light weight while maintaining the same level of acoustic protection. Thanks to a 30% weight reduction compared with previous models, Prime-Light-based inner dashes and floor insulators save more than two kilos of a vehicle's weight in average. Prime-Light-based components consist of thermoplastic cotton felt blends in which the share of recycled materials amounts to up to 50% depending on the application-specific composition.

# Injection Fiber Process (IFP-R2)

## Technology for optimal acoustic performance



Autoneum is setting new standards in felt technology: The fully-automated IFP-R2 production systems are based on the Rotating Injection Fiber process which is an innovative, patented manufacturing process from Autoneum used for manufacturing tailor-made felt blanks for inner dashes and floor insulators in vehicles. These blanks with locally adjusted area weight are then molded into the shape required for the final product.

The advanced process leads to better acoustics, lower weight and the possibility to locally increase the compressional stiffness of carpet systems for improved quality perception. Autoneum also achieves a higher environmental performance of the production process, as up to 70% of recycled fibers are possible, fewer fiber scrap is generated which can additionally be immediately recycled by the line.

### BENEFITS

Optimized part weight and acoustics

Increased compression hardness

Up to

**70%**

recycled fibers