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On the road to net zero: Autoneum further optimizes environmental performance of sustainable Pure technologies for Renault Emblème

Autoneum has supported Renault Group in the development of Renault Emblème, a low-carbon demonstration car designed to reduce greenhouse gas emissions by 90 percent over its entire life cycle. As a key partner of the project, Autoneum further optimized the environmental performance of its sustainable Pure technologies, which were used for numerous components in the vehicle interior and exterior. Leveraging its proven expertise in the development of lightweight and fully recyclable monomaterials with a high recycled content, as well as in the areas of life cycle analysis (LCA) and product innovation, Autoneum was able to reduce the carbon footprint of its parts and contribute to a significant reduction in vehicle weight for Renault Emblème.

Increasingly stringent regulations to reduce greenhouse gas emissions on a global scale, new directives and the electrification of mobility require innovative approaches from the entire automotive industry. To support vehicle manufacturers in achieving their sustainability targets, Autoneum continuously optimizes the environmental performance of its products and processes: from further increasing the share of recycled content and the end-of-life recyclability of its lightweight technologies to reducing waste and shifting to renewable energy in its production facilities. In addition, the Company is working closely with customers and partners to validate data and products together. One of the most recent examples of such a successful collaboration is Autoneum's contribution to Renault Emblème.

The Renault Emblème demonstration car emits 90% fewer greenhouse gases over its entire life cycle than a comparable vehicle produced today. To achieve these ambitious decarbonization targets, Renault Group assembled more than twenty suppliers from across the industry to participate in specialized projects in five different areas: eco-design, raw material selection, manufacturing, use and end of life. In addition to providing valuable expertise in the areas of LCA and product development, Autoneum's contribution entailed the further optimization of its environmentally friendly Pure technologies, which already today are characterized by an excellent sustainability performance across the product life cycle and also include the Company's growing portfolio of monomaterial technologies made of 100 percent polyester.

Autoneum's innovative and lightweight materials were used for around thirty fiber-based components in the interior and exterior of Renault Emblème, including the carpet, the underbody panels and wheelhouse outer liners as well the front and rear trunk. Thanks to the high recycled content, the waste-free production process and the excellent recyclability of the materials at the end of their service life, Autoneum was able to reduce drastically the carbon footprint of the components. This outstanding achievement was made possible by further boosting the sustainability performance of existing technologies such as Ultra-Silent, Propylat PET, Hybrid-Acoustics and Autoneum's monomaterial polyester carpet systems. In addition, the parts contributed to a weight reduction, which positively

affected both the carbon footprint and the range of the electric car.

The collaboration with customers and other leading industry representatives in joint projects such as Renault Emblème enables Autoneum to explore new avenues and push the boundaries when it comes to finding innovative ways to further optimize the environmental performance of its products and manufacturing processes – today and in the future. The Renault Emblème demonstration car was first unveiled at the Paris Motor Show in October 2024. More in-depth information about the project, including further details on Autoneum's contribution and innovation roadmap, will be provided in the first half of 2025.

Photo:

A image can be downloaded at: <https://www.autoneum.com/image/renault-embleme-polyester-carpet/>

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About Autoneum

Autoneum is globally leading in acoustic and thermal management for light and commercial vehicles. The Company develops and produces multifunctional, lightweight and sustainable components and systems for interior floor, interior trim as well as engine bay and underbody. Customers include almost all automobile manufacturers in Europe, North & South America, Asia and Africa. Autoneum is represented in 25 countries, employs around 15 800 people and operates 64 production facilities worldwide. The Company with its headquarters in Winterthur, Switzerland, is listed on the SIX Swiss Ex-change (ticker symbol AUTN).

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