

LAMILUX at IAA Transportation 2024, Hall 27 Stand C33

High-tech composites for future lightweight construction

Whether commercial vehicle, last mile or bus industry: the automotive industry requires innovative materials that equip vehicles for everyday challenges and make them more stable, lighter and more sustainable in the future. LAMILUX Composites will be presenting its product innovations made of fibre-reinforced plastic at the IAA Transportation in Hanover. This includes the world's UV-resistant GRP face sheet – LAMILUX Sunsation®. The manufacturer can be found in Hall 27 at Stand C33.

For the eighth time, the GRP specialist LAMILUX Composites is giving the general public a deep insight into the world of glass fibre-reinforced plastics at the IAA. Decades of experience in the commercial vehicle and bus industry as well as quality made in Germany characterise the 100-year-old family-owned company. Their GRP solutions pave the way for the sustainable mobility of the future: light, stable and robust. Whether in the side wall, roof or floor: LAMILUX Composites offer a wide range of options for lightweight construction of commercial vehicles, buses and last-mile vehicles.

New products: World's most UV-resistant GRP face sheet

LAMILUX Sunsation® is the long-awaited revolution in the field of fibre composite plastics, completely redefining the standard for exterior applications,

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broadening the horizon with regard to image, appearance, care and value, and making investments look like new even after decades in the sun.

Tried and tested in all real applications

Three demonstration models will be exhibited at the LAMILUX stand: The applications of the GRP products will be demonstrated using truck, bus and last-mile vehicle models.

For trucks and last-mile vehicles, this is the impact-resistant, robust material **High Impact with AntiBac surface**, the non-slip floor covering **AntiSlip** for interiors and **LAMILUX Woven Roving S** or **LAMILUX Woven Roving Impact**, which protect the underbody from stone chippings. When installed in the roof, the world's first **LAMILUX Sunsation®** reveals the advantages of the innovative gelcoat technology with 20 times better UV resistance than the gelcoats currently available on the market. LAMILUX Composites also enables translucent roofs for daylight intake during loading and unloading.

In the case of buses, LAMILUX demonstrates its flair for design: **LAMifoamtex** with its soft-touch surface, **Composite Floor**, which resembles laminate flooring, and **LAMIGraph**, for interior cladding, are the proven materials of choice here. The manufacturer also presents a robust and durable material, **LAMILUX Woven Roving X-treme**, for use on roofs and side walls. **LAMILUX AntiSlip** non-slip flooring, which is also available as a visually attractive **LAMILUX Anti Slip Style** variant, once again scores points in the luggage compartment.

Focus on lightweight construction, sustainability, robustness, function and hygiene

Installed in a wide range of vehicle types, LAMILUX Composites saves a considerable amount of weight while still producing extremely robust

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superstructures. In sandwich or prefabricated constructions, this composite material sustainably reduces the fuel consumption of the vehicles. High strength and stability create robust constructions that ensure that heavy mechanical stress in daily traffic leaves less traces on the composite materials.

The high damage tolerance also leads to a longer value retention of the vehicle, lower repair costs and easier repair and maintenance. Special materials with additional benefits, such as the non-slip LAMILUX AntiSlip or LAMILUX AntiBac with antibacterial nanosilver surface, round off the product portfolio.

About IAA Transportation 2024

The International Mobility Show Germany (IAA) is one of the largest and most important international automotive trade fairs. The event switches between the topics of “Passenger Cars” and “Commercial Vehicles” each year. In 2024, the IAA Transportation will be presenting a reorientation in terms of content. Focus on: Topics that are often neglected in public discourse. That’s why this year a large bus area will take visitors into the exciting world of passenger transport. The GRP specialist LAMILUX Composites will also be there.

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LAMILUX Composites GmbH

LAMILUX Composites GmbH has been producing fibre-reinforced composites for around 70 years. The medium-sized company is a leading European producer thanks to its technologically advanced continuous production process, large manufacturing capacities and wide product range. LAMILUX supplies customers around the globe in a wide range of sectors, such as the building

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industry, the automotive and recreational vehicle sectors, refrigerated store room and cell construction, and many other industrial sectors.

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