

The camper's skin that no longer fears the sun



LAMILUX SUNSATION® is one of the newest and most innovative GRP topcoats currently available on the market from German company LAMILUX Composites

Words Peter Hirtschulz

The renowned jury of the German Design Awards 2024 crowned this product, according to the company, the most colour- and gloss-resistant GRP top layer in the world with the "Special Mention" award in the "Excellent Product Design" category. This award not only enhances the image of the manufacturer, but the product in general offers a clear sales advantage to any manufacturer who uses it. With LAMILUX SUNSATION® he can present himself as a high-quality trendsetter on the market. According to a company presentation, LAMILUX Sunsatation® makes the difference. Thanks to the new development, the vehicles with this GRP top layer are said to have a continuously shiny appearance for the rest of their lives.

Lifelong beauty

Mankind's dream of lifelong youth and beauty is not possible for well-known biological reasons. The skin





ages automatically and even more so when exposed to extreme sunlight. For the outer skin of a leisure vehicle, the dream of lifelong beauty is now a reality, even under extreme weather conditions. SUNSATION® from LAMILUX claims to offer 2,000% higher UV resistance compared to standard gelcoats. It is said to lead to extreme colour and gloss retention of the vehicle walls and consequently to a brand new appearance even after years in the sun.

The ultimate plus according to in-house tests: LAMILUX Sunsatation® significantly reduces the need for maintenance of exterior applications. Surfaces with extreme gloss resistance no longer need to be waxed for preventive protection or subsequent touch-up. In figures, this means: 90 per cent less effort and costs for waxing thanks to the use of LAMILUX SUNSATION®. In addition to the significantly enhanced brand image for the vehicle manufacturer, the benefits of SUNSATION® are rounded off by the resulting higher resale value of the vehicle for the customer and the significantly reduced maintenance requirements mentioned above.

LAMILUX SUNSATION® is available in material thicknesses of 1.5 mm - 1.7 mm, in widths of up to 3.20 m and as sheets or rolls. In terms of colour, all shades of the RAL and NCS scale are available, as well as customer-specific shades.

LAMILUX Sunsatation® was also tested by means of artificial weathering in accordance with DIN EN ISO 4892-2. The test was based on weathering over a comparable period of 9,000 hours, which corresponds to real weathering in Central Europe of



LAMILUX Sunsatation in use

around 15-20 years. The result shows that LAMILUX Sunsatation® hardly changes colour over time, whereas conventional material generally fades very quickly or loses its original colour. The reason for this exceptional quality retention is that LAMILUX Sunsatation® is not a polish, cream or wax, but a UV protection technology that is firmly integrated into the GRP material and requires no additional or subsequent treatment.

Applications

LAMILUX GRP is used in the caravanning industry for inner and outer cover layers of side walls, roofs, floor constructions, rear garages and underfloors by all well-known caravan and motorhome manufacturers. LAMILUX Composites offers

customised solutions for every area of application. LAMILUX X-treme, for example, is an extremely resistant hail protection roof. LAMILUX Composites Floor as floor material, LAMILUX LAMIGraph as wall cladding and LAMILUX LAMIfoamtext as inner roof cladding fulfil all customers' design requirements in terms of quality and appearance. LAMILUX Anti Slip Style as a visually attractive floor in rear garages, impact fabric as stone chip protection in the underbody and the world first SUNSATION® as an outer side wall round off the manufacturer's product portfolio, ensuring that motorhomes and caravans are equipped for the challenges of everyday life. LAMILUX Composites is the market leader with its high-tech GRP materials.

Company Profile

LAMILUX Composites GmbH has been producing fibre-reinforced plastics for around 70 years. Decades of experience in the European and American caravanning market and the highest quality standards "Made in Germany" are the hallmarks of LAMILUX fibre-reinforced plastics. Thanks to its technologically outstanding, continuous manufacturing process, large production capacities and broad product range, the medium-sized company is one of the leading producers. LAMILUX supplies customers around the world in the fields of vehicle, motorhome and caravan construction, cold store and cold room construction, the construction industry and numerous other industrial segments. With more than 1,300 employees, LAMILUX generated a turnover of 390 million euros in 2022. The family-run company is based in Rehau, Bavaria, Germany.

