



With the right equipment, an RV can become a home

Driving into the sunset, flexible and carefree: when summer is coming and holidays are calling, then it's time to pack your bags, prepare the RV and then the camping trip can begin. This is what life will return to after the Corona pandemic. Making an RV comfortable is all about the equipment and workmanship. This is why the composite manufacturer LAMILUX is continuing to supply RVs manufacturers with its products during the crisis.

Words Giorgio Carpi

A lot of people in Europe believe the perfect holiday is at the campsite. Whether in France, Italy, Spain or Germany, the caravan becomes the new home when camping. And so it has to be comfortable and secure. Of course the motorhome also has to look good, because a holidaymaker's temporary home should

have some visual appeal too. The LAMILUX HG 4000 provides that special look. The smooth surface gives the shell of the caravan an attractive appearance. In addition, the composite material also has a practical benefit: sealed with a gelcoat layer, this makes the motorhome weather and UV resistant.

Since the sun and good weather are not always on the agenda when camping, the roof and walls of the caravan should be made of high-quality material. What use is a roof over a camper's head, if the first hail puts dents into it? The LAMILUX X-treme for roof and side walls proves its worth in such extreme situations. This particularly robust





LAMIfoamtex

A customisable soft-touch surface that provides functional surfaces and elegant interior design. It is a triple-layered composite material that can be customised according to the customer's wishes and product requirements. It offers great savings potential in terms of both weight and cost for vehicle manufacturers.

The carrier is made of a layer of fibreglass-reinforced plastic. The soft core above it consists of a customisable foam layer that can be between 2 mm and 8 mm high. The desired hardness or softness of the finished material and the required level of sound insulation are the determining factors in terms of choosing the foam's thickness and density. The topmost layer is visible to the user and is a custom decorative layer that can be made out of synthetic leather, fabric, velour or fleece. This top-quality, soft-touch surface guarantees the highest level of functionality while simultaneously offering a high standard of design.



composite, with its high fiber content in the material, ensures optimum impact resistance and stability. In addition, the glass-fibre reinforced composite has the advantage of being particularly light therefore ensuring low fuel consumption.

If the weather turns bad during a camping trip, then the caravan must not only be a safe, but also a comfortable retreat. The beautiful, bright interior design creates a nicer atmosphere and with LAMIfoamtex there are no limits to the wishes of the holidaymakers. The composite material is based on a fibre-reinforced plastic, whereby the soft touch can be adapted according to your preferences for different areas. In addition, the three-dimensional structure of the material has a positive effect on the interior or acoustics: voices sound softer and more pleasant, outside noises are insulated and the space feels as cosy as your living room. So come rain or shine, you can have a relaxed holiday in your caravan. However, floor laminates will wear over time due to moisture, heat or dirt. The processed wood will swell up at some point from water and can strip away the flooring. The composite floor by LAMILUX is the smart solution to such problems in caravans. Here, the PVC top layer is incorporated directly into the composite and is permanently bonded with

the carrier material. The direct bond between the PVC and the fibre-reinforced carrier material by LAMILUX also eliminates the need for the additional layer of glue, which also reduces weight and streamlines production. Caravans equipped with LAMILUX products are transformed into a cosy holiday home ensuring a worry-free camping trip.

LAMILUX X-treme

The reinforcing glass or carbon fibres in this material are positioned in a uniaxial, biaxial, triaxial or multi-directional arrangement, depending on needs. This alignment process determines how strong the material is, making it perfect for any set of requirements. The product is designed to absorb any load and tension forces acting on any sandwich panels of which it may be a part. When used for extensive surfaces such as side walls, roofs and flooring, the whole structure develops resistance to torsion. The X-treme product range can be manufactured in widths up to three metres while the length of sheets or rolls are tailored to customer requirements.

Company Profile

LAMILUX Composites GmbH has been producing fibre-reinforced polymers for around 70 years. The medium-sized company is the 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 industry, the automotive and recreational vehicle sectors, refrigerated store room and cell construction, and many other industrial sectors. In 2019, LAMILUX and its some 1,200 employees achieved a turnover of 305 million euros. The family-managed company is based in Rehau, Bavaria.



LAMILUX HG 4000

LAMILUX HG 4000 combines the advantages of fibre-glass-reinforced composites with the appearance of aluminium. The result is a smooth, high-gloss surface meeting the exacting requirements of visual appearance. The surface is sealed with a gelcoat layer, providing excellent resistance to ultra-violet light and weathering. If required the product can also be supplied with a matt surface finish.

Despite this gelcoat the material can be supplied in sheets or coils as required by the customer. It comes in thicknesses between 1.5 mm and 4.0 mm and widths of up to 3.2 m. These attributes make it ideal for the external surfaces of RV's.

