



LAMILUX COMPOSITES

HIGH-TECH MATERIALS FOR THE MARKETS OF THE FUTURE

LAMILUX Composites

# High-tech materials for the markets of the future

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**LAMILUX Composites is Europe's leading developer and manufacturer of fiber-reinforced plastics.**

With over 70 years of knowledge and experience in plastics manufacturing, we use multiple production lines to manufacture sheets and panels made of high-strength, stable, and yet very lightweight fiber composites. As high-performance, customizable high-tech materials, they are used in the transportation, logistics, automotive, and construction industries.

The high quality and material properties ideally suited to specific areas of application have secured LAMILUX Composites' leading position in the international composites market for many years.

**Many material properties – many material advantages**

LAMILUX Composites are pioneering construction materials for expanding industries such as energy-efficient mobility, safe food transport, hygienic food processing, and aesthetic and functional construction. Whether low weight combined with maximum stability, non-porous and easy-to-clean surfaces, or good thermal insulation values and low thermal expansion – LAMILUX Composites combine a multitude of advantageous material properties in individually configurable glass or carbon fiber-reinforced plastics.

**Unique production process – unique quality**

Several flat track systems, each over 100 meters long, manufacture LAMILUX composites in a continuous production process. Due to the high degree of automation, which guarantees reproducible production of the various material variants at all times, the lines are the most modern of their kind in Europe. Throughout the entire production process, high manufacturing standards are ensured by comprehensive quality management. In addition to process monitoring, this also includes intensive laboratory testing of incoming raw materials and final material inspections.

**TÜV SÜD certified quality**

LAMILUX is the world's first manufacturer of fiber-reinforced plastics to voluntarily have a large part of its laboratory and testing equipment tested and successfully certified by TÜV Süd Germany. In doing so, LAMILUX has imposed the highest quality requirements on itself.



LAMILUX management in its fourth generation (from left to right): Dr. Sophia Strunz, Dr. Alexander Strunz, Johanna Strunz



**The LAMILUX CI philosophy**

Customer benefit alone defines our raison d'être and is at the heart of everything we do. This requires unity, identity, and alignment between customer benefit and corporate orientation.

LAMILUX describes these guiding principles of our corporate activities and our daily relationship with our customers in our company philosophy:

*Customized Intelligence – serving the customer as a program:*

For us, this means excellence and leadership in all areas-relevant to our customers, in particular as:

- Quality leader – maximum benefit for customers
- Innovation leader – technologically ahead of the curve
- Service leader – fast, uncomplicated, reliable, and friendly
- Competence leader – the best technical and commercial advice
- Problem-solving leader – individual, tailor-made solutions

# LAMILUX product portfolio

**Standard products**



LAMILUX SUNSATIION®

LAMILUX High Gloss

LAMILUX Super

**Design world**



LAMILUX LAMIGraph

LAMILUX Composite Floor

LAMILUX LAMifoamtex

LAMILUX DualStructure

**Performance and Construction Materials**



LAMILUX High Impact

LAMILUX X-treme

LAMILUX Gewebe

LAMILUX TextureWall



LAMILUX FireShield®

LAMILUX AntiSlip

LAMILUX Embossed HACCP AntiBac

LAMILUX LamiGreen



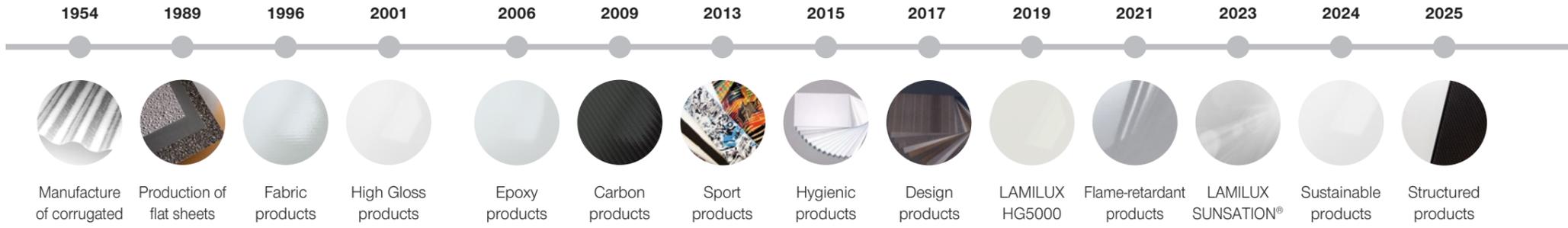
Further products and all related information can be found at: [lamilux.com/composites/products](https://lamilux.com/composites/products)

LAMILUX Composites

# Tradition since 1954

LAMILUX Composites GmbH has been producing fiber-reinforced plastics for over 70 years. Thanks to its technologically outstanding, continuous manufacturing process, large production capacities, and wide range of products, this medium-sized company is the leading manufacturer in Europe.

LAMILUX supplies customers around the globe in the automotive, motorhome, and caravan manufacturing sectors, cold storage and cold room construction, the construction industry, and numerous other industrial segments. LAMILUX strives to be the innovation and performance leader in all areas relevant to its customers. The family-owned company, based in Rehau, is managed by Johanna, Dr. Alexander, and Dr. Sophia Strunz, the fourth generation of the family, and currently employs around 1,300 people.

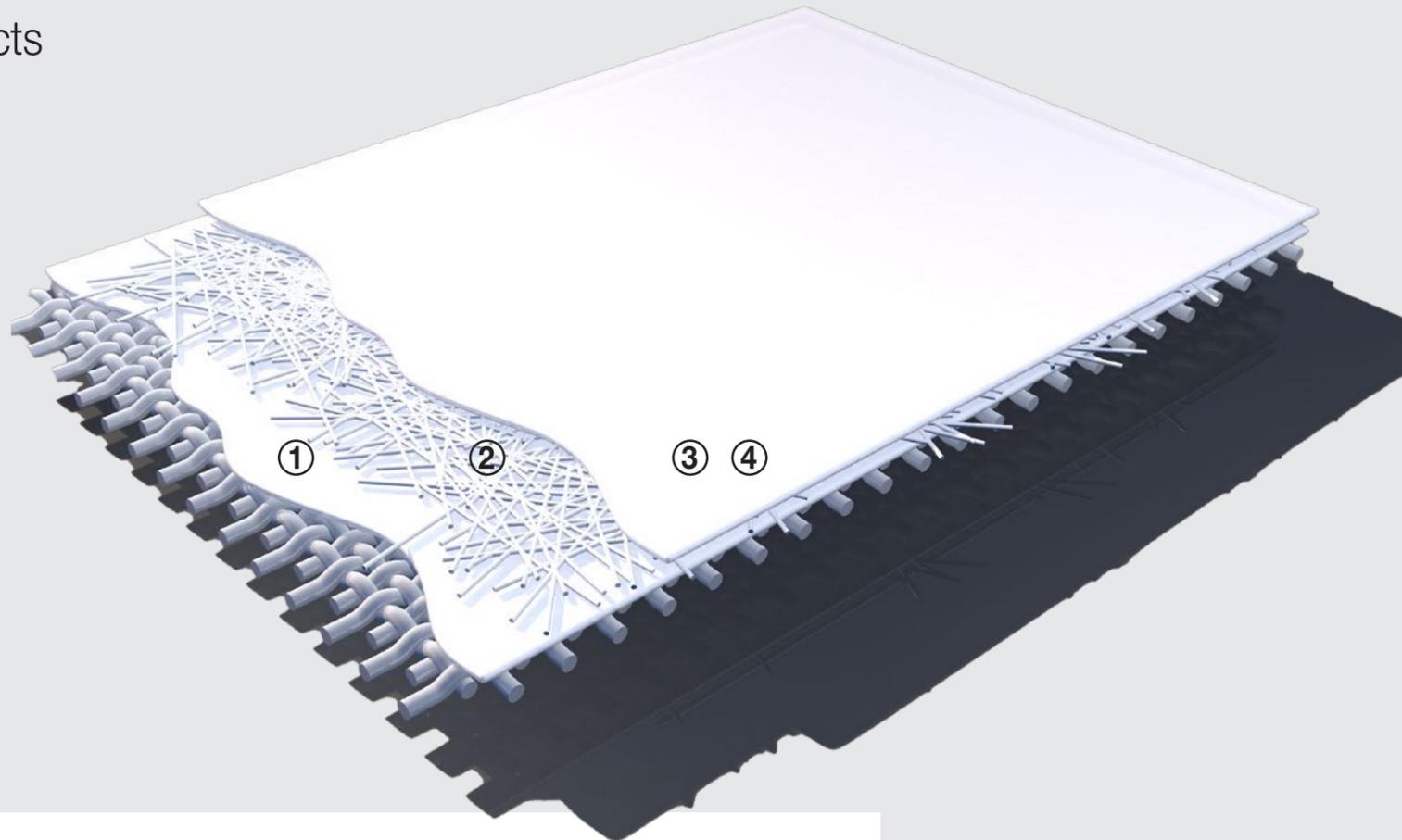


## Structure of our products

### ① Matrix resin

### ② Reinforcing fibers

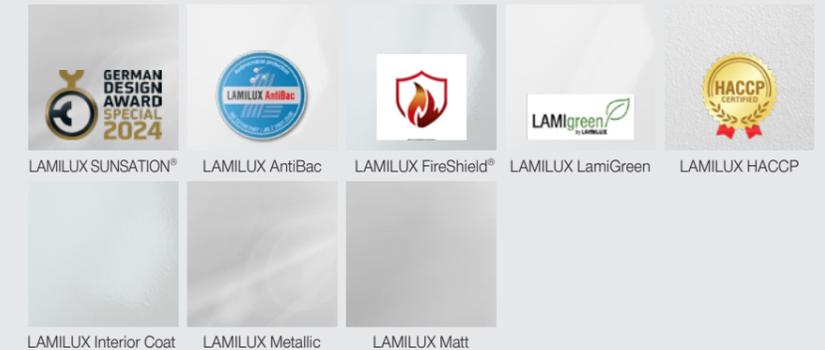
The matrix resin embeds the reinforcing fibers and forms the stable carrier of the glass fiber-reinforced products.



### ③ Gelcoat resin

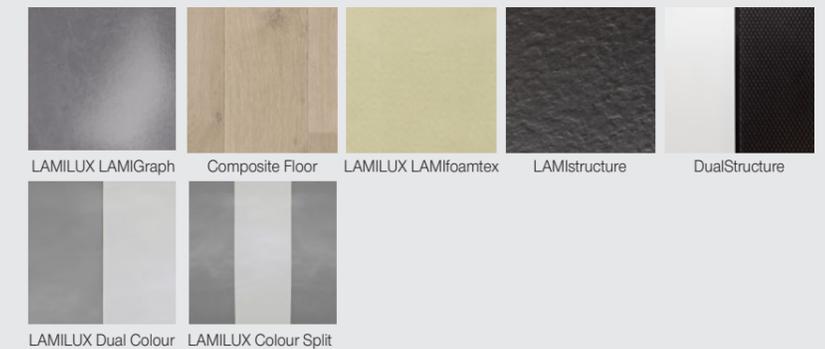
A gelcoat is a protective layer for our GRP materials that ensures the product is protected against UV-radiation and weathering.

Gelcoat options for LAMILUX products:



### ④ Design

LAMILUX GRP products are also available in numerous design options:



## Availability of our products



Thicknesses from 0.3 to 5.0 mm



Widths up to 3.2 m



Various backing treatments



All RAL and NCS colors



# LAMILUX GRP FOR THE CARAVANING INDUSTRY

GRP in the caravanning industry

## Functional vehicle construction with visual design advantages

**LAMILUX manufactures fiber-reinforced plastics based on polyester and epoxy resin, which are used in various applications as a top layer for sandwich elements or as panels in the caravan industry.**

**Our fiber-reinforced plastics are used in side walls, roofs, doors, bending applications, floors, non-slip floors for rear garages, and interior wall cladding. There, they help caravans, motorhomes, and recreational vehicles withstand the challenges of everyday life.**

### Advantages of GRP

- More corrosion- and hail-resistant than aluminum
- Excellent UV- and weather-resistance thanks to the use of a gelcoat coating
- Easier to repair than metal
- Low GRP weight with high mechanical strength
- Simple and easy further processing
- Excellent surface properties compared to other construction materials
- Can be painted afterwards
- Huge color palette, including metallic colors, for a wide range of applications

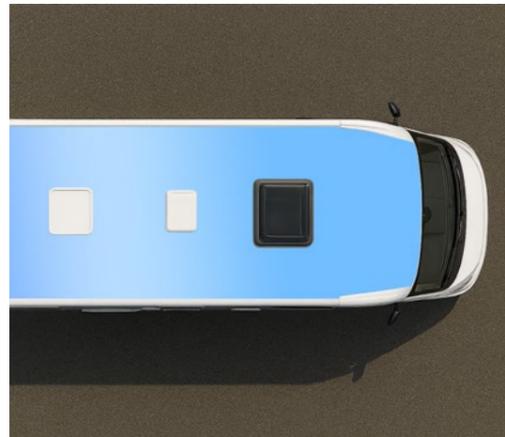


For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

Durable – lightweight – stable – elegant

## Areas of application in caravans

Our materials are used in all areas of caravan construction – from the roof to the floor. They impress with their durability, lightweight construction, and high resistance in a wide range of applications.



Roof



Exterior side wall



Interior wall



Floor



Luggage compartment



Underfloor



LAMILUX SUNSATI<sup>®</sup>

### The world's most colour and gloss resistant composite material

The world innovation LAMILUX SUNSATI<sup>®</sup> is the long-awaited revolution in the field of fibre-reinforced composites and redefines the standard for outdoor applications. The 20-times higher UV-stability compared to standard GRP expands the horizon in terms of image, appearance, maintenance and value. Whether for recreational vehicles or trucks, even after many years in the sun, LAMILUX SUNSATI<sup>®</sup> looks like new and enables maximum value retention.



For more information about the product, visit:  
[lamilux.com/composites/products/sunsation](https://lamilux.com/composites/products/sunsation)

# LAMILUX GRP FOR THE COMMERCIAL VEHICLE INDUSTRY



GRP in the commercial vehicle industry

With functional lightness  
for environmentally friendly mobility

**LAMILUX Composites is Europe's leading developer and manufacturer of fiber-reinforced plastics. With 70 years of knowledge and experience in plastics manufacturing, we use five production lines to manufacture high-strength, stable, and at the same time very lightweight fiber composites based on polyester and epoxy resin. These highperformance, customizable high-tech materials are particularly well suited to the automotive and transport sectors thanks to their many advantages.**

**Our fiber-reinforced plastics are used in the side walls, roof, doors, floor, translucent roof, non-slip floor, and interior wall paneling of commercial and delivery vehicles. The high quality and material properties, which are ideally suited to the specific area of application, set new standards in the commercial vehicle industry.**

## Advantages of GRP

- Excellent UV- and weather-resistance thanks to the use of a gelcoat coating
- Food approvals in accordance with HACCP standards
- Impact-resistant material compared to other construction materials
- Better corrosion and hail resistance than aluminum
- Low weight of GRP with high mechanical strength
- Easy to repaint
- Easier to clean than metals
- Easier to repair than metal
- Huge color palette, including metallic colors, for a wide range of applications



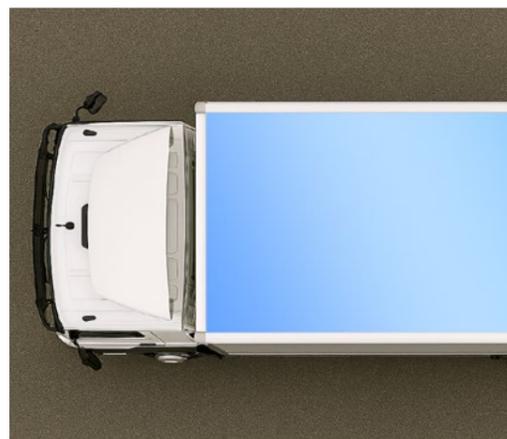
For more information on all  
applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

Lightweight materials for every application

# Areas of application in commercial and delivery vehicles

Whether trucks or last-mile delivery vehicles, LAMILUX Composites offers products for commercial vehicles of all sizes that support the vehicle in the daily delivery of goods. Glass fiber-reinforced plastics (GRP) are characterized by their ability to withstand particularly high loads and secure goods

well so that they arrive at their destination undamaged. Due to their low weight and high stability, fiber-reinforced plastics are suitable for use in all areas of application, such as roof and wall cladding and flooring.



Roof



Exterior side wall



Interior wall



Floor



Underfloor



Rear doors



LAMILUX High Impact

## Impact-resistant material

LAMILUX High Impact combines outstanding impact resistance and strength with very low weight and an attractive surface which is easy to clean. The combination of a high reinforcement fibre content and a sophisticated special resin makes LAMILUX High Impact ideal for overcoming the high requirements of modern industrial applications.



For more information about the product, visit: [lamilux.com/composites/products](http://lamilux.com/composites/products)



# LAMILUX GRP FOR THE BUS INDUSTRY

GRP in the bus industry

## Attractive design in customized variants

**LAMILUX specializes in the production of fiber-reinforced plastics based on polyester and epoxy resin, which are used in various applications as a top layer for sandwich elements or as panels in the bus industry. Our fiber-reinforced plastics are used in the side walls, roof, doors, as bending applications, in the floor, and as non-slip flooring in the entrance, aisle, or luggage compartment. With their mechanical properties, glass fiber-reinforced plastics (GRP) provide strong protection for the outer shell of the bus against external influences and protect the bus from damage caused by moisture and scratches. Our LAMILUX Composites products combine all the advantages of glass fiber-reinforced plastics (GRP).**

### Advantages of GRP

- Excellent UV- and weather-resistance thanks to the use of a gelcoat coating
- Fiber composites are easier to clean than metals
- A very impact-resistant material compared to other construction materials
- Significantly more corrosion and hail resistant than aluminum
- High mechanical strength at low specific weight
- Simple and easy processing thanks to large sheet formats
- Huge color palette, including metallic colors, for a wide range of applications



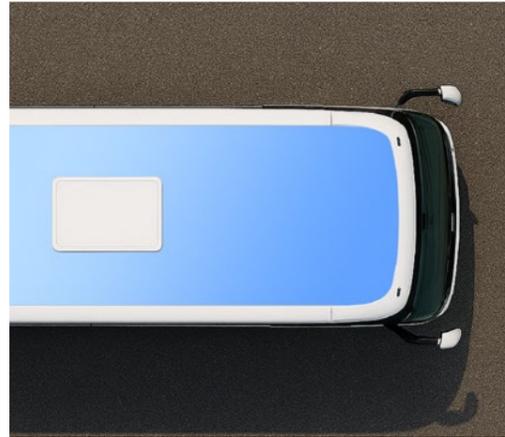
For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

Areas of application in buses

# Attractive design and strong protection

GRP is used both on the exterior and interior of buses. Fiberreinforced plastic sheets form the outer layers of bus roofs and side walls, while other product variants offer the option of individually cladding

interior walls and coating floors. LAMILUX Composites impresses the bus industry with its attractive designs and strong protection.



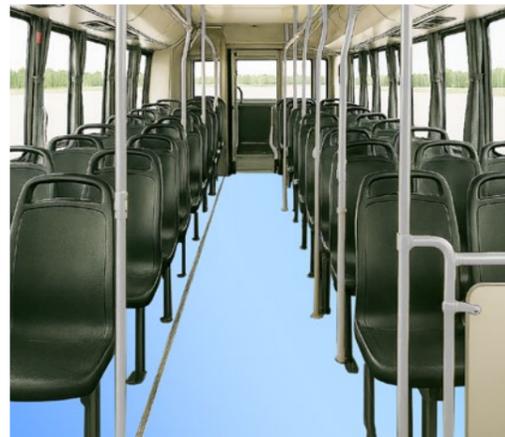
Roof



Exterior side wall



Inner wall



Floor



Luggage compartment



LAMILUX Gewebe X-treme

## A solid classic

The LAMILUX Gewebe range consists of glass-fibre-reinforced laminates with very high glass content. The surface can also be sealed with a gelcoat layer on request for even better UV- and weather-resistance and a less prominent imprint of the woven roving structure. The reinforced fabric increases the mechanical strength of the product and results in lower linear expansion coefficients.



For more information about the product, visit: [lamilux.com/composites/products](http://lamilux.com/composites/products)



# LAMILUX GRP FOR SEA FREIGHT CONTAINERS

Maximum performance for sea freight containers

## The future of container cladding made of GRP

The refrigerated transport of sensitive and valuable goods such as fruit and meat places high demands on the materials used in refrigerated container transport. Impacts, extreme cold, contamination: continuous operation and no time for cleaning or repairs.

LAMILUX has developed the new benchmark lining material for refrigerated containers: LAMILUX X-treme AntiBac. Maximum durability, maximum hygiene, minimum weight. Unprecedented resistance to damage opens up new opportunities for saving on transport costs and CO<sub>2</sub> emissions.



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

### Advantages of GRP

- Available in two different versions
- Low specific weight of GRP with high mechanical strength
- Excellent corrosion resistance compared to aluminum
- Impact-resistant material compared to other construction materials
- Fiber composites are easier to clean than metals
- Simple and easy further processing
- Excellent UV- and weather-resistance thanks to the use of a gelcoat coating
- Huge color palette, including metallic colors, for a wide range of applications
- No need for subsequent painting

LAMILUX High Strength X-treme AntiBac

## Construction material

With its X-TREME range, LAMILUX is pushing the boundaries of technology and is tapping the full performance potential of fibre-reinforced composites. The strength and rigidity values are many times higher than those of normal composites.

This reduces the amount of materials required, saves excess weight and allows useful functions – such as extreme impact resistance or the lowest possible thermal expansion – to be integrated into the product applications.



For more information about the product, visit:  
[lamilux.com/composites/products](http://lamilux.com/composites/products)



Maximum performance for tank containers

## Innovative tank claddings made of GRP

**LAMILUX composites are at the forefront of tank cladding materials. They are fiberreinforced composites with the maximum possible content of reinforcing fibers in a highly elastic epoxy resin matrix. This achieves maximum strength (twice that of steel), excellent impact resistance, and maximum weight savings. LAMILUX ULTIMATE TANK CLADDINGS are three times stronger than the best tank linings currently available on the market.**



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

### Advantages of GRP

- Low specific weight of GRP with high mechanical strength
- Excellent corrosion resistance compared to aluminum
- Impact-resistant material compared to other construction materials
- Fiber composites are easier to clean than metals
- Simple and easy further processing
- Excellent UV- and weather-resistance thanks to the use of a gelcoat coating
- Huge color palette, including metallic colors, for a wide range of applications
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LAMILUX High Strength X-treme

## Construction material

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For more information about the product, visit:  
[lamilux.com/composites/products](http://lamilux.com/composites/products)

# LAMILUX GRP FOR TANK CONTAINERS



# LAMILUX GRP IN THE CONSTRUCTION INDUSTRY

Safe, durable, and robust

## Modular facades with plaster look

**LAMILUX specializes in the manufacture of fiber-reinforced plastics based on polyester and epoxy resin, which are used in various applications as a cover layer for sandwich elements or as panels in the construction industry. The balanced color effect and durability of the fiber composite panels are the result of a technologically advanced, quality-oriented flat web manufacturing process. With over 70 years of market and production experience, LAMILUX Composites is Europe's leading manufacturer of fiber-reinforced plastics.**



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

### Advantages of GRP

- A wide range of architectural design options
- Possibility of installing backlighting or lighting effects
- Translucency
- Huge color palette, including metallic colors, for numerous applications
- More corrosion- and hail-resistant than aluminum
- Large panel formats
- Excellent UV- and weather-resistance thanks to the use of a gelcoat protective layer
- Food approvals according to HACCP standard
- Easier cleaning of GRP than metals
- Simple and easy further processing of GRP

LAMILUX TextureWall

## Integrated exterior plaster facade

**LAMILUX TextureWall is a glassfiber reinforced laminate combining outstanding mechanical properties of composites with an attractive and extremely durable facade plaster surface for the first time.**



For more information about the product, visit:  
[lamilux.com/composites/products](http://lamilux.com/composites/products)

Areas of application in construction

# Aesthetics – Design – Efficiency – Function

Our fiber-reinforced plastics are used as facade panels, room solutions, in agricultural halls and buildings, as doors or gates, and in other applications. The variety of design options and functional proper-

ties of glass fiber-reinforced plastics setting new standards in modern architecture. LAMILUX Composites combines aesthetics, design, efficiency, and function in its products.



Building envelopes



Wall cladding



Hygienic protection



Other applications

- Doors & gates
- Industrial/warehouse doors or formwork panels
- Wastewater and sewage treatment plants
- Trade fair construction
- Skylights



LAMILUX Facade Panel

## Innovative construction element

Made of glass-fibre-reinforced composite, LAMILUX Facade Panels provide a visually stunning facade system in an extensive range of colours. The extravagant appearance is combined with creative freedom, high resistance to vandalism and the option for backlighting. The product is perfectly suited for rear-ventilated curtain wall facades which are becoming increasingly popular due to the rise in the number of thermal insulation requirements.



For more information about the product, visit: [lamilux.com/composites/products](http://lamilux.com/composites/products)



# LAMILUX GRP FOR PRE- FABRICATED BATHROOMS

Safe, durable, and robust

## Modular facades with plaster look

LAMILUX specializes in the manufacture of fiber-reinforced plastics based on polyester and epoxy resin, which are used in various applications as a top layer for sandwich elements or as panels in the construction industry. The balanced color effect and durability of the fiber-reinforced panels are the result of a technologically sophisticated, quality-oriented flat web manufacturing process. With 70 years of market and production experience, LAMILUX Composites is Europe's leading manufacturer of fiber-reinforced plastics.



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

### Advantages of GRP

- High-quality matte, glossy, and designer surfaces
- Seamless application across the entire side wall, ceiling, or floor
- Fast processing times in production and higher yield
- Easy handling in production
- Sustainable and affordable materials for bathrooms
- Water resistance and good abrasion resistance
- Can be applied to all substrates such as plasterboard or OSB and all types of frames such as wood or aluminum
- Can be used as a single strip or as a panel

LAMILUX Composite Floor

## Smart flooring solutions

LAMILUX Composite Floor is an innovative composite floor covering based on a woven fabric-reinforced composite and custom flooring decor layers. The material-to-material bond between the decor flooring layer and the LAMILUX GRP reinforcement means there is no need for the extra weight of adhesive coatings. This quality combined with its optimum strength and durability – even in demanding applications – and absence of odour makes LAMILUX Composite Floor ideal for intelligent lightweight construction.



For more information about the product, visit:  
[lamilux.com/composites/products](http://lamilux.com/composites/products)



Hygienic. Robust. Economical

## LAMILUX wall and ceiling cladding for new buildings and renovations

**Our GRP material is the ideal choice, especially in industries where high hygiene standards are paramount, such as food processing, catering, and healthcare. It ensures a hygienic indoor climate and offers further advantages such as extreme durability, longevity, customizable design, and easy installation and maintenance. Our wall cladding material also impresses in many other areas thanks to its versatile advantages.**

### Advantages of GRP

#### Hygienic:

- Sealed, non-porous, and virtually seamless
- Easy to clean using standard industry methods
- Optional antibacterial surface

#### Robust:

- Resistant to corrosion, water, and chemicals
- Dirt-repellent and mold-resistant
- Impact-resistant and shock-resistant

#### Economical:

- Quick installation with minimal downtime
- Up to 50% less cleaning agent consumption and effort compared to tiles and steel panels
- Durable with low maintenance requirements



For more information on all applications, please visit: [www.lamilux.com/composites](http://www.lamilux.com/composites)

## Areas of application



### Food processing

The highest hygiene standards are essential in food processing. Our GRP wall and ceiling cladding offers a smooth, seamless surface that prevents the growth of bacteria.



### Catering

Our products are recommended by the German Federal Association of Food Inspectors (BVLK) and are therefore ideal for use in the catering industry.



### Healthcare

LAMILUX wall coverings create a permanently hygienic environment thanks to their self-disinfecting properties, improve cleaning efficiency, and thus offer additional safety.



### Commercial, industrial, and refrigerated buildings

The requirements for building materials for commercial and industrial buildings vary greatly. However, with our LAMILUX wall cladding, you can master this challenge thanks to its unique properties.



### Retail

Wall cladding in retail outlets, shopping centers, or supermarkets must be robust, durable, and hygienic.



### Education

Thanks to their numerous application possibilities, LAMILUX wall cladding is versatile and combines aesthetics with functionality.



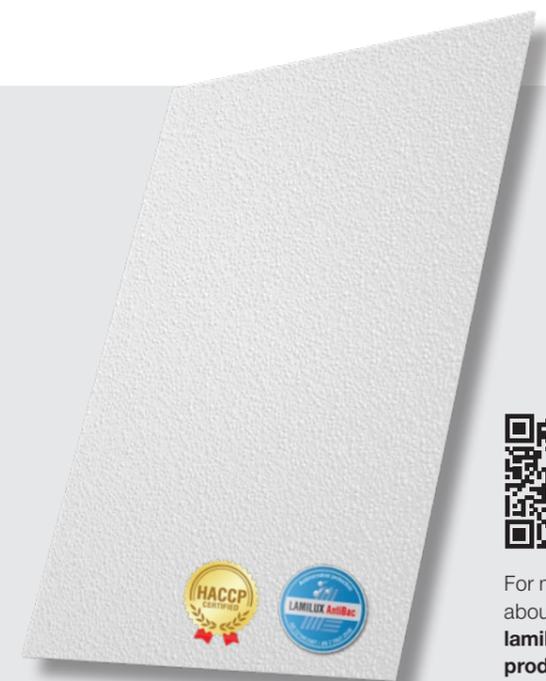
“With LAMILUX, we effortlessly meet the highest hygiene standards. Cleaning is extremely easy and the light-colored material creates a pleasant and friendly working atmosphere.”

Markus Hertel, Managing Director, Hertel Grillgenuss

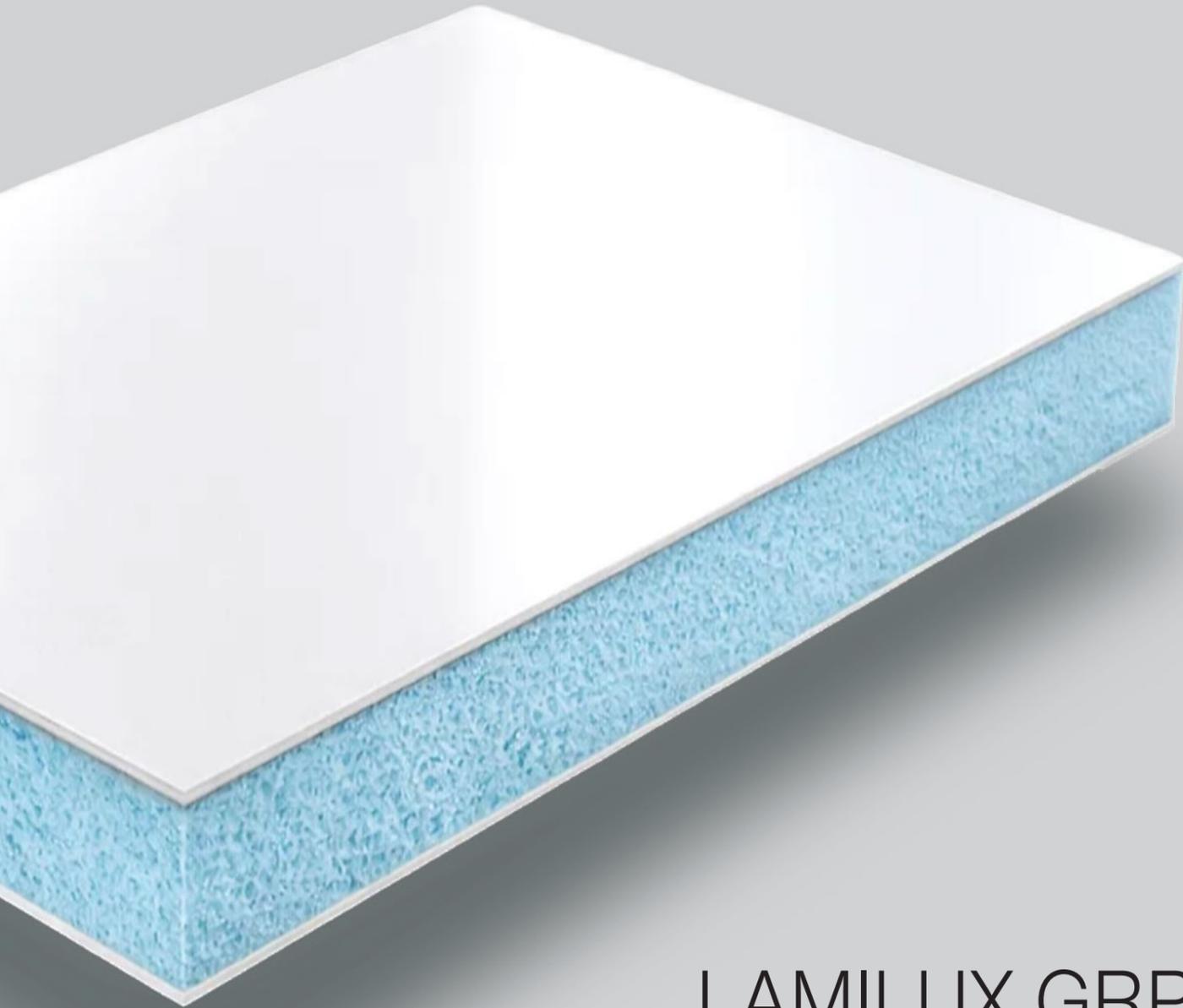
LAMILUX Embossed HACCP ANTIBAC

## Structured surface

The LAMILUX Embossed product range features a textured and glossy surface. The glass-fibre-reinforced polyester laminate comes with a balanced glass content as well as an optional UV- and weather-resistant film or gelcoat layer. Challenges posed by curved structures can be easily overcome thanks to the flexible resin system. The product is suitable for a wide range of indoor and outdoor applications.



For more information about the product, visit: [lamilux.com/composites/products](https://lamilux.com/composites/products)



## LAMILUX GRP AS SANDWICH- PANELS

Safe, durable, and robust

### Sandwich constructions made of GRP

Whether as side walls in motorhomes, bus roofs, or complete constructions for mobile clinics, sandwich panel constructions are conquering the market. Choosing glass fiber-reinforced plastic for the top layer of these panels offers advantages such as weight savings, durability, impact resistance, corrosion resistance, and easy cleaning.



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

#### Advantages of GRP

- Wide range of high-quality matte, glossy, and designer surfaces
- Seamless application across the entire panel, whether for ceilings, side-walls, or floors
- Fast processing times in production
- Easy handling in production, no creases or dents, no sharp edges
- Highest water and corrosion resistance
- Can be bonded with many common adhesives and core materials
- Highest lightweight construction potential of all materials

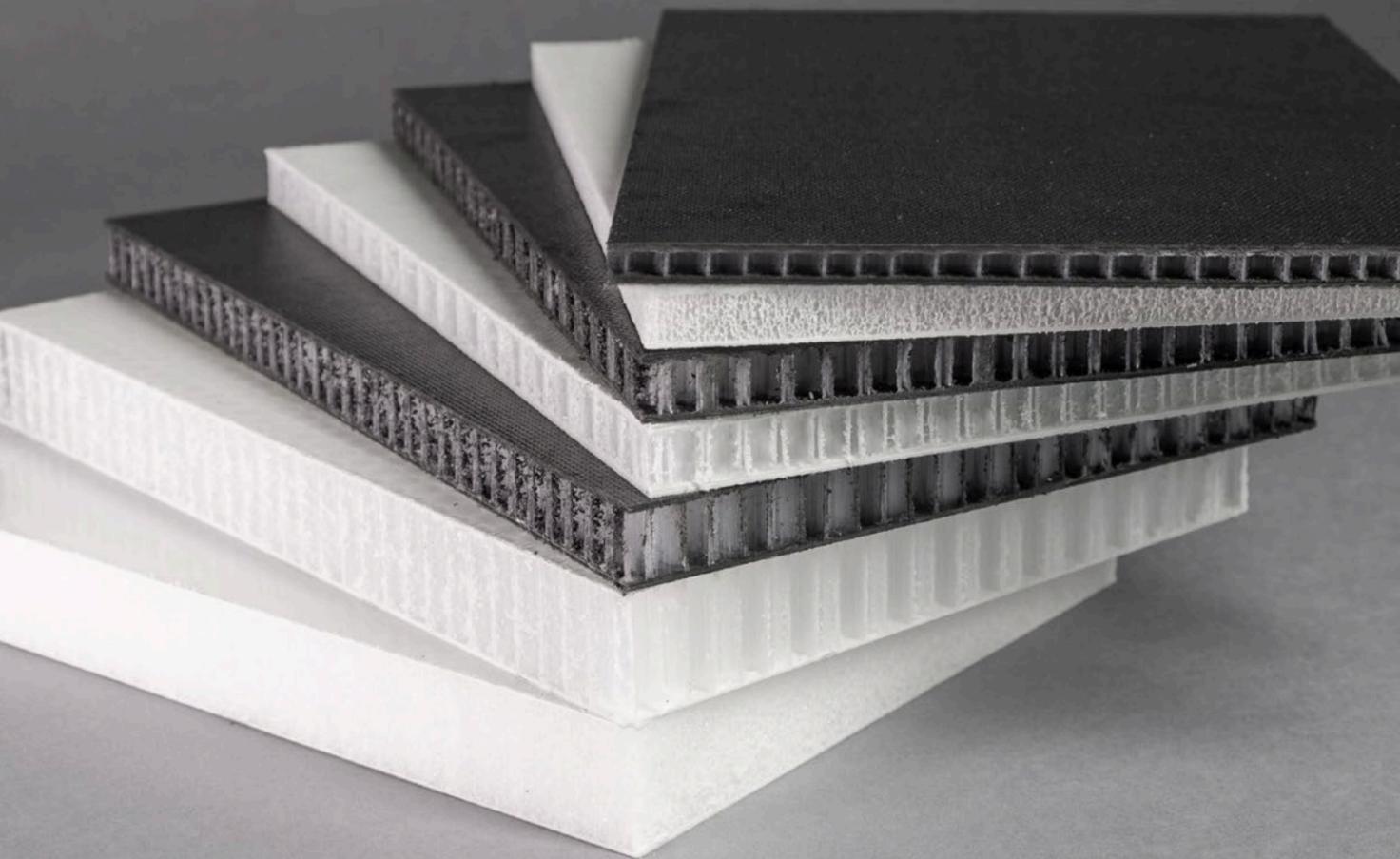
#### Overview of the different properties of aluminum, steel, wood, and GRP

|                         | GRP<br>with gelcoat                               | Aluminum<br>with paint finish                | Steel<br>with paint finish                 | Wood<br>with glaze            |
|-------------------------|---|--|--|-------------------------------|
| Density                 | 1500 – 1800 kg/m <sup>3</sup>                     | 2700 kg/m <sup>3</sup>                       | 7850 kg/m <sup>3</sup>                     | 470 – 800 kg/m <sup>3</sup>   |
| Hail resistance         | ///   | ✓  | ✓  | ×                             |
| UV-resistance           | ///   | ///  | ✓  | ×                             |
| Corrosion resistance    | ///   | ✓  | ×  | ×                             |
| Moisture resistance     | ///   | ✓  | ✓  | ×                             |
| Scratch resistance      | ///   | ×  | ✓  | ✓                             |
| Availability            | Available as sheets or rolls in very large widths | As sheet or roll material in standard widths | As sheet or roll material in narrow widths | Only as sheet material        |
| Temperature resistance  | Max. 90 °C  | Max. 600 °C                                  | Max. 700 °C                                | Max. 240 °C                   |
| Cleanability            | ///   | ✓  | ✓  | ×                             |
| Electrical conductivity | Electrically insulating                           | Electrically conductive                      | Electrically conductive                    | ×                             |
| Thermal conductivity    | 0,21 W/mK   | 237 W/mK                                     | 45 W/mK                                    | 0,14 W/mK                     |
| Durability              | ///   | ✓  | ✓  | ✓                             |
| Sound insulation        | ///   | ×  | ×  | ///                           |
| Thermal insulation      | ///   | ×  | ×  | ///                           |
| Easy processing         | ///   | ×  | ×  | ///                           |
| Translucency            | ///   | ×  | ×  | ×                             |
| Paint                   | Possible, but not necessary                       | Only possible retrospectively                | Only possible retrospectively              | Only possible retrospectively |



More information at:  
[www.lamilux.com/hub](http://www.lamilux.com/hub)

# LAMILUX GRP AS THERMOPLASTICS



Safe, durable, and robust

## Sustainable lightweight construction with thermoplastics

**LAMILUX thermoplastic materials combine low weight with high robustness and sustainability. LAMIskin and LAMIpanel offer durable, recyclable solutions with excellent mechanical properties for a wide range of applications. Thanks to different designs and material structures, they enable tailor-made concepts for weight, cost, and CO<sub>2</sub> reduction.**



For more information on all applications, please visit:  
[www.lamilux.com/composites](http://www.lamilux.com/composites)

### Advantages of LAMILUX thermoplastic products

- Thermoplastically formable
- Free of solvents
- High impact resistance
- Odorless
- Available as flexibly configurable LAMIpanel sandwich elements
- With pressure-resistant lightweight cores in various thicknesses and properties
- Very high lightweight construction potential
- Wide range of visual and functional surface options

LAMILUX LAMIpanel

## Lightweight, customizable, stable

**LAMILUX LAMIpanel are complex sandwich structures whose functionality can be tailored to a wide range of applications.**

**LAMILUX LAMIpanel is characterized by high rigidity with minimal weight and customized functionality of the surfaces and cores. Whether high-strength lightweight floors, impact-resistant lightweight walls, wood substitutes, or ultimate lightweight constructions—LAMIpanel helps you tap into previously untapped potential in your application.**



# LAMILUX COMPOSITES SUSTAINABILITY

## LAMILUX COMPOSITES SUSTAINABLE MANAGEMENT

### Sustainability serves as a guideline and focus for our business activities at LAMILUX:

We are aware of our responsibility towards the environment, the climate and society.

For this reason, sustainability is our guiding principle and firmly anchored in our corporate guidelines!

” **We don't think in terms of quarters, we think in terms of generations.**  
Dr. H. Strunz, Managing Director of LAMILUX

## SUSTAINABLE PRODUCTION PROCESS



Green energy



Process efficiency



Waste management



Bavarian Climate Pact



Material efficiency

Sustainability is firmly anchored in the manufacture of our LAMILUX fiber composites. Our commitment to the responsible use of resources and the use of renewable and recycled energies is an integral part of our approach. We are a member of the Bavarian Environment and Climate Pact and already meet tomorrow's requirements today.

### RENEWABLE ENERGIES

All LAMILUX production facilities and administrative buildings are comprehensively equipped with photovoltaic systems. This enables us to cover **up to 60% of our energy requirements** in an ecologically sustainable manner.

### RECYCLING ENERGY

LAMILUX designs state-of-the-art production facilities for the manufacture of fiber-reinforced plastics. Thanks to our unique technology developed by our engineers, LAMILUX is able to **recover and reuse up to 100% of the process heat required from its own emissions.**

### TOMORROW'S REQUIREMENTS

The current limit value for volatile substances in exhaust air is around 85 mg/m. As a responsible and forward-looking company, **LAMILUX already meets the current requirements today.** Our emissions are 20 mg/m, thus complying with the limit values of the future.

## SUSTAINABILITY THROUGH LAMILUX PRODUCTS

### PRODUCT LIFETIME

Even after production, our LAMILUX fiber composite material actively contributes to sustainability and environmental protection thanks to its extremely long service life.

The extreme durability and high strength of our products help to conserve valuable resources and minimize energy-intensive remanufacturing.



Corrosion resistant



Lightweight construction



Easy to repair



Mold resistant



Easy to clean

## SUSTAINABILITY IN THE SOCIAL SPHERE

### SOCIAL RESPONSIBILITY

” As a fourth-generation family business, LAMILUX stands for sustainable business practices in every respect. Our family business is also characterized by its commitment to social responsibility.



Organization of social projects



Setting up a daycare center for employees' children



Supporting social initiatives through the Strunz Foundation

# WORLDWIDE DISTRIBUTION PARTNERS



Thanks to our **international local representatives**, we are always available for you in your respective time zones.



**Warehouses in many countries and regions** guarantee fast delivery of materials worldwide.



As **the European market leader**, we have **large production capacities** – and can therefore guarantee you reliable delivery.



With our **flexible manufacturing technology**, we can quickly start **production of your individual material** after only short machine changeover times.



Our **continuous, highly automated manufacturing process** produces reproducible material variants **of the highest, consistent quality** at all times.



A highly trained maintenance and repair team ensures the **smooth and error-free operation of** our production lines.



**Our decades of logistical experience enable cost-efficient, worldwide material delivery.**



Our continuous manufacturing process, controlled by highly qualified specialists, **consistently produces the highest quality** for you.



Do you have any questions?  
Find your local sales representative:  
[www.lamilux.com/composites/service/contact-persons](http://www.lamilux.com/composites/service/contact-persons)



# LAMILUX QUALITY: TESTS AND INSPECTIONS TÜV CERTIFIED



### Fiber-reinforced composites

- Mechanical tests
- Chemical tests
- Climatic tests
- Application specific tests

[www.tuev-sued.de/ffk](http://www.tuev-sued.de/ffk)

**LAMILUX is the world's first manufacturer of fiber-reinforced plastics to voluntarily have a large part of its laboratory and testing facilities inspected and successfully certified by TÜV Süd Germany. In doing so, LAMILUX has set itself the highest quality standards.**

This is because LAMILUX composites are closely monitored by our research and development department throughout all phases of their development, production, and life cycle. Extensive material tests and analyses form the basis for reliably checking the properties of our composites and ensuring their durability and longevity – so that we can always deliver 100% quality. We have state-of-the-art laboratory equipment and simulation environments at our disposal for this purpose.



**We create your unique selling points:** in close consultation with you regarding the future use of materials, our engineers and technicians develop individual, industry-specific product solutions.



**We transfer our expertise** and offer you on-site engineering support for the further processing of composites and for application-specific questions.



Before each composite production run, we carry out **comprehensive checks on the raw materials delivered.** We select our suppliers according to the highest quality criteria.



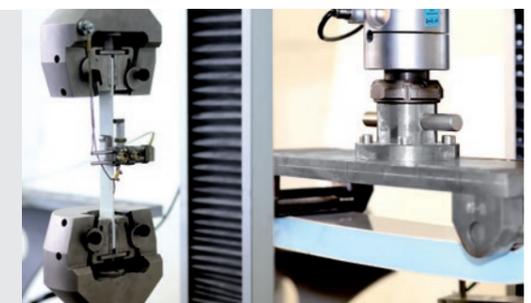
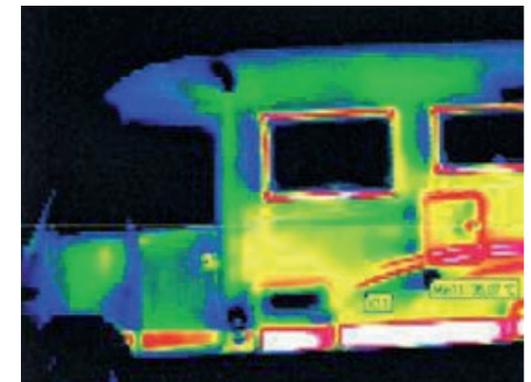
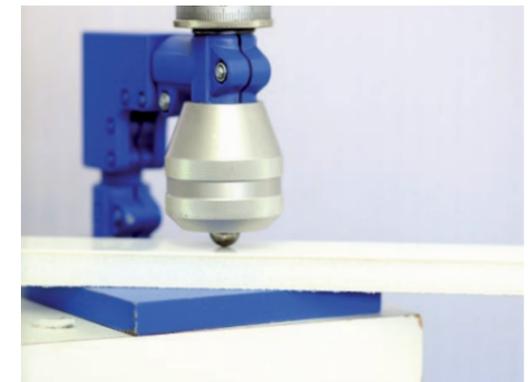
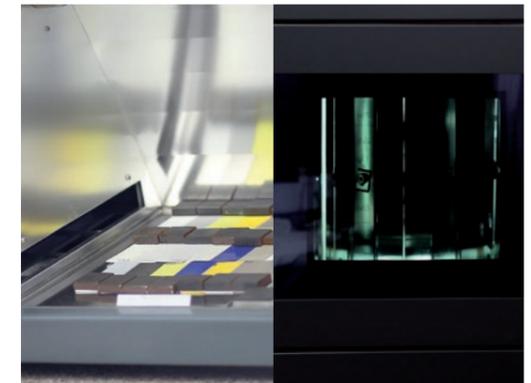
During and after production, we subject your material to **extensive checks and laboratory tests.**



We check the **mechanical, chemical, and physical properties** of the finished plastic in the real application environment and test its behavior in combination with other materials.



**We continuously develop your individual materials** and work to optimize their properties for your specific applications.



### TÜV SÜD certified quality

LAMILUX is the world's first manufacturer of fiber-reinforced plastics to voluntarily have a large part of its laboratory and testing facilities inspected and successfully certified by TÜV Süd Germany. In doing so, LAMILUX has set itself the highest quality standards.



LAND, WATER, AIR?  
TRUST IN OUR  
LOGISTICS  
EXPERIENCE!

**Logistical expertise is one of the core competencies of our customer-oriented sales and shipping team. Cost-efficient and fast delivery of our materials is a matter of course for us.**

Many small details contribute significantly to this: for example, the long-track end format of our products, which are rolled up, enables optimal utilization of container volumes. We achieve a further reduction in freight costs through the customized compilation of orders and deliveries. In addition, our worldwide warehouses guarantee fast and secure delivery to all regions, ensuring smooth ordering and delivery processes.



**Decades of experience in global shipping**  
by land, sea, and air enable smooth processes



**Tailor-made compilation of orders**  
and efficient utilization of container volumes reduce freight costs



**International warehouses**  
ensure fast regional delivery



