



LAMILUX COMPOSITES HYGIENIC ANTIBAC WALL PANELS

RESTAURANTS • HOSPITALITY • RETAIL • FOOD PROCESSING • HEALTHCARE • EDUCATION

LAMILUX PROMISES QUALITY AND INNOVATION

LAMILUX is the leading international producer of fibre-reinforced composites and one of Europe's top daylight system manufacturers. As a medium-sized family enterprise, we are particularly proud of our capacity for technological innovation, our flexibility and our excellent working relationship with our customers. At LAMILUX, customised intelligence – “Serving the customer is our mission” means: giving our best every day to bring the greatest benefits to our customers. For us, quality isn't just a promise, it's reality in action.



The LAMILUX CI Philosophy

Customer value is the reason for our existence and is the focus of our activities. This requires harmony, identity and a balance between customer value and company strategy.

These guiding principles for our company's actions and our day-to-day relationship with our customers are described in LAMILUX's company philosophy:

Customised intelligence – serving the customer is our mission:

This requires outstanding performance and leadership in all areas relevant to customers, in particular in the role of:

- Quality leader – optimal benefit for customers
- Leader in innovation – at the cutting edge of technology
- Leader in service – fast, uncomplicated, reliable and friendly
- Leader in expertise – optimal sales and technical consultation
- Leader in solving problems – individual, custom-made solutions



LAMILUX – A BUSINESS WITH TRADITION

“For over 100 years, the driving force behind LAMILUX has been the joy we feel in inspiring our customers with innovative, sophisticated products and creative solutions and helping them to achieve success in their own businesses. Each day in our company consists of tailoring our technological developments and services to meet the needs and requirements of our customers: **You** are the core of our entrepreneurial approach in our company philosophy.”

Dr. Heinrich Strunz, third-generation Managing Director of the LAMILUX Heinrich Strunz Group





2009

LAMILUX
inspiring for
100 years

2015

Takeover of
Mirotec Glass & Metal
Constructions

2019

Alexander and
Johanna Strunz join the
management board

2011

Takevoer of
PECOLIT Composites

2018

Takevoer of
roda Gruppe

RECOGNITION FOR OUTSTANDING PERFORMANCE ACROSS ALL COMPANY DIVISIONS

In recent years, LAMILUX has received multiple prizes and awards for innovations and strategies across its divisions. Whether awarded by an internationally-renowned business consultancy, an industry association or a well-established regional newspaper publisher, every prize awarded by an independent body can usually be traced back to singular achievements which are, and continue to be, of great relevance for the successful development of the LAMILUX Group.



Top Supplier 2021



Architects' Darling 2021



Digital Champions Award 2021



Red Dot Award 2021

Construction Top 50 2020
German Design Awards 2021
Architects' Darling Award 2020
German Design Award 2020
Rexx Recruiting Award 2020
and many more

her 2021



German Innovation Award 2021



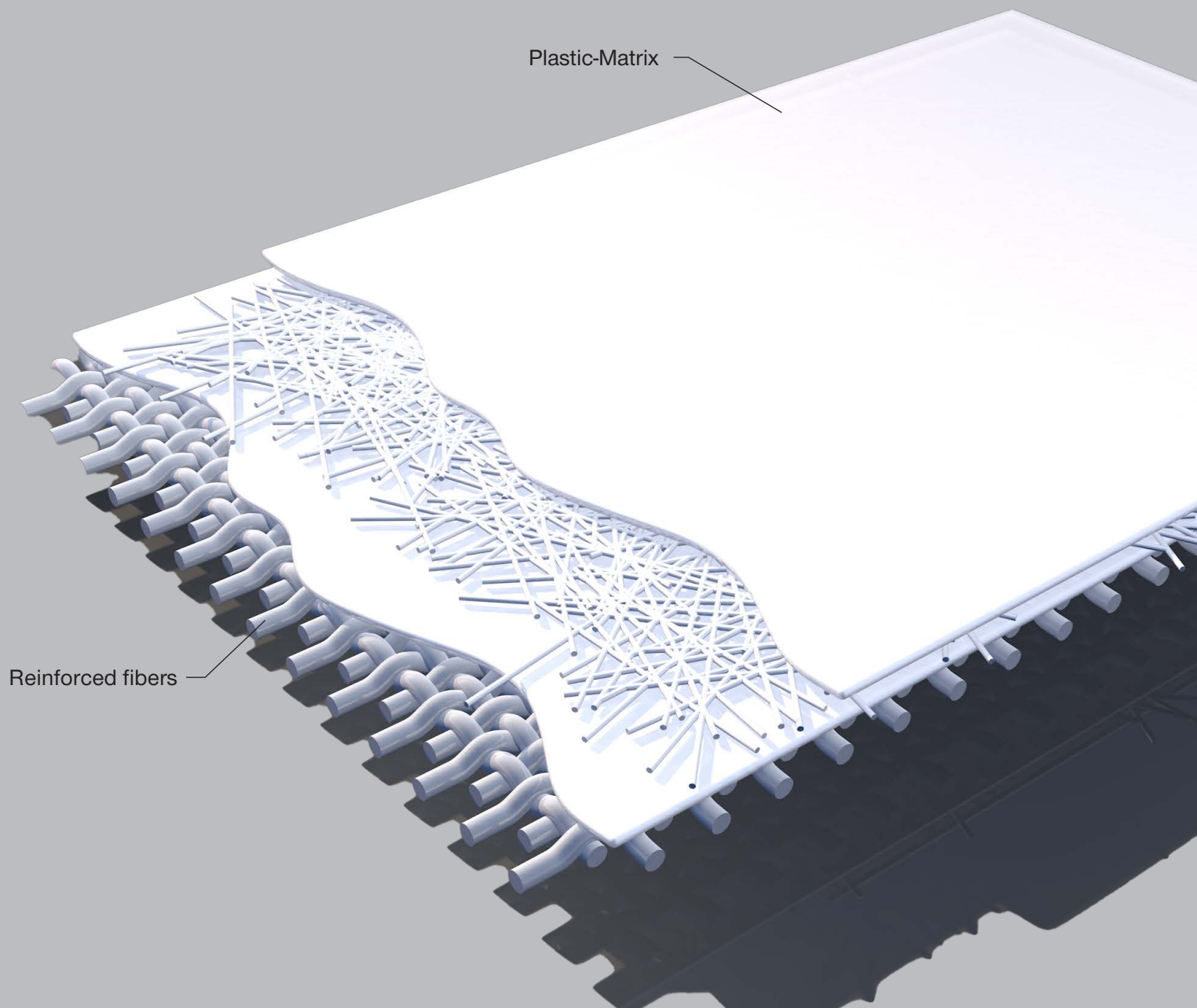
AXIA Best Managed Company 2021

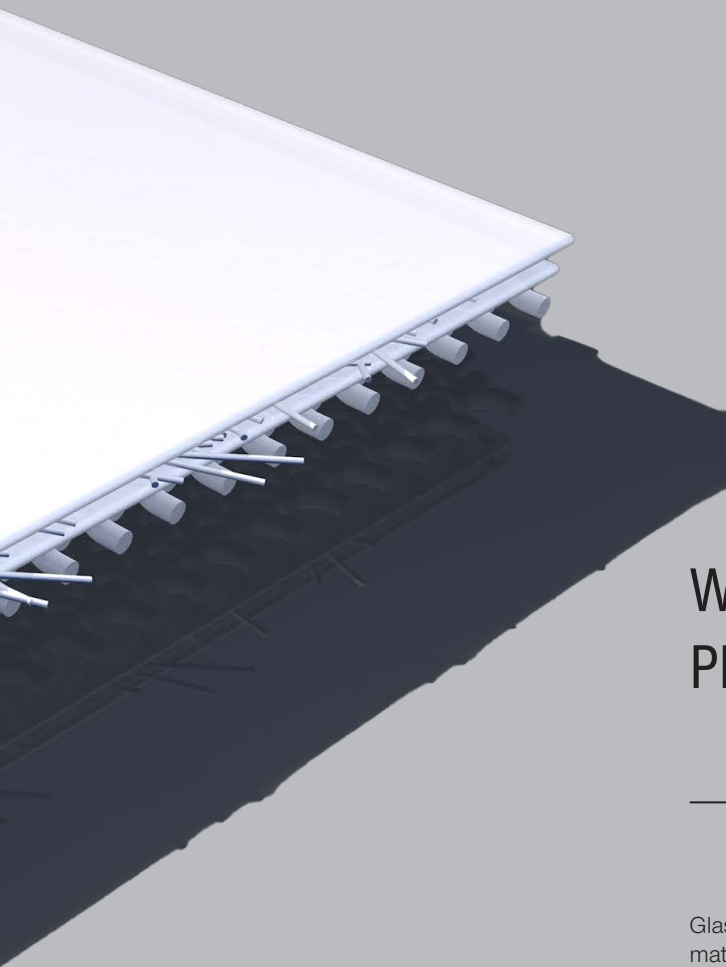
GRP AS A LIGHT, ROBUST AND VERSATILE MATERIAL

Glass-fibre reinforced plastics (GRP or FRP) are made of reinforcing materials (glass-fibre mats, fabrics, scrims, multiaxial scrims, roving, etc.) impregnated with various resins (unsaturated polyester resins, vinyl ester resins, epoxy resins, etc.) and chemical additives. They are considered the most modern of their kind worldwide.

LAMILUX Composites are ground-breaking construction materials in expanding industries like energy-efficient mobility, safe haulage of foodstuffs, hygienic foodstuff preparation and aesthetic-functional construction.

Whether it involves a low weight with high resistance, non-porous and easy-to-clean surfaces or good thermal insulation values and low thermal expansion – LAMILUX Composites combine numerous beneficial material properties into individually tailored glass or carbon fibre reinforced plastics.





WHAT IS GRP AND WHAT PROPERTIES DOES IT HAVE?

Glass-fibre reinforced plastic (GRP or FRP) is an extremely versatile material that can be used in numerous applications. LAMILUX creates the material in a state-of-the-art continuous lamination process.

LAMILUX FIBRE - REINFORCED COMPOSITES FOR ALL AREAS OF APPLICATION

Advantages at a glance

Thickness: 0.3 - 5.0 mm

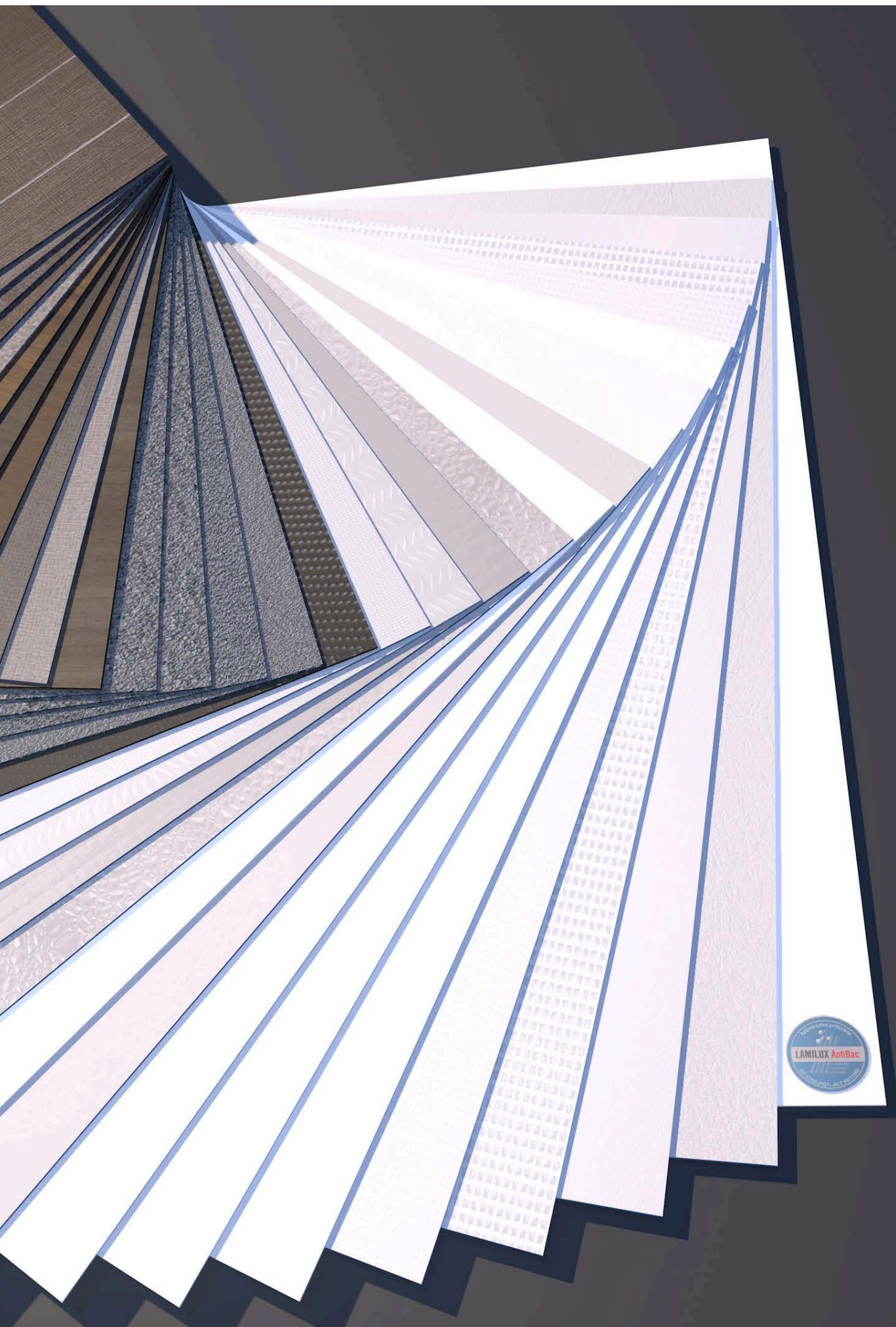
Width up to 3.20 m

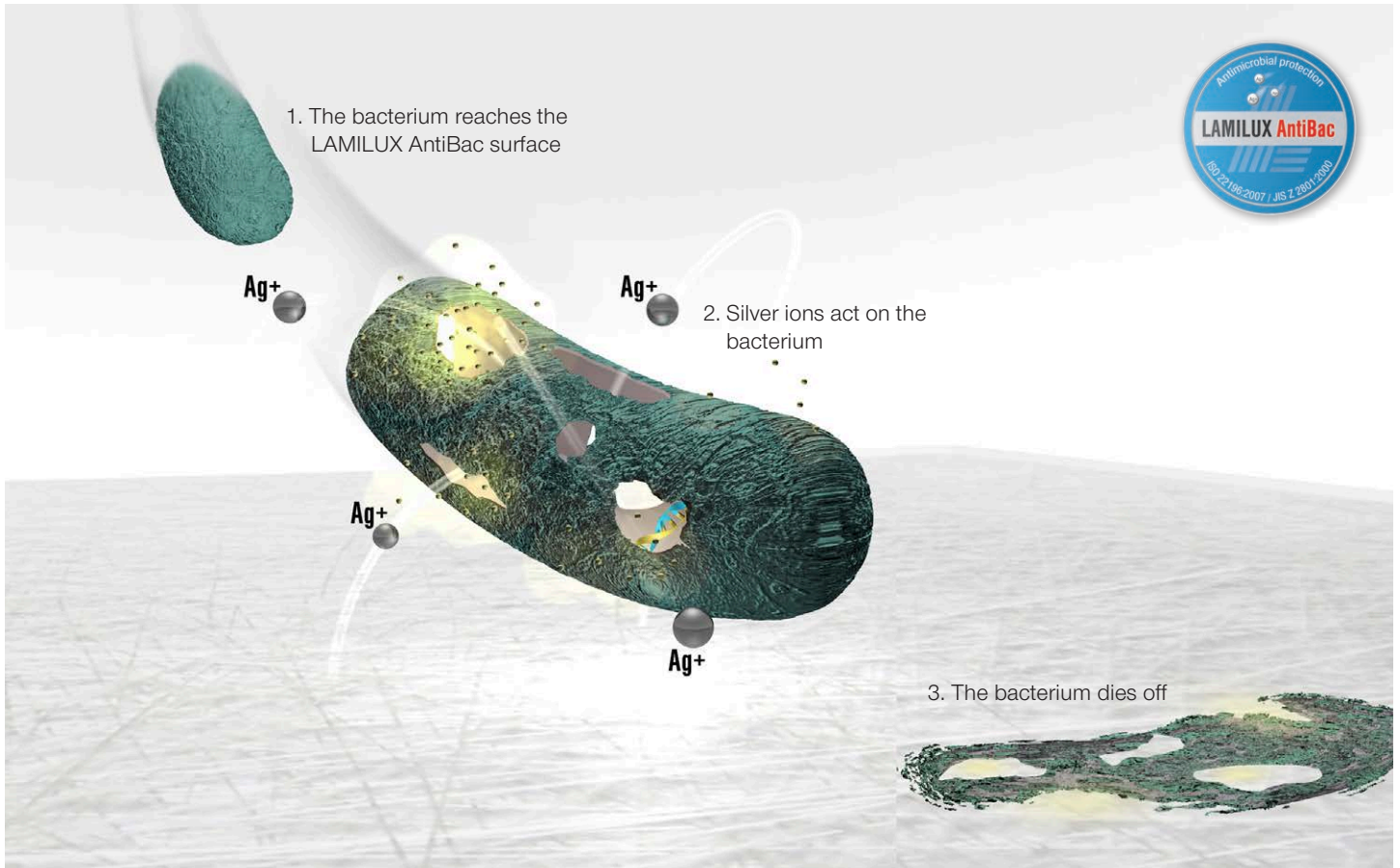
Sheets up to 12 m

Roll length up to 300 m

Glass and fiber reinforced composites

Colours: all colours possible





LAMILUX ANTIBAC – MAXIMUM HYGIENE FOR STERILE SURFACES

With multi resistant bacteria posing an increasingly serious threat in hospitals, they can become a deadly risk for patients. Hospitals are therefore facing the permanent challenge of mitigating or even preventing the occurrence of hazardous hospital germs through targeted preventive and acute measures.

Effective even against multi resistant germs, LAMILUX AntiBac serves as a solution to tackle this challenge. To achieve self disinfecting surfaces, LAMILUX AntiBac utilizes the antibacterial effect of silver embedded in the surface. LAMILUX AntiBac is available for all LAMILUX products with gelcoat so that an easy to clean surface is improved with antibacterial function.

But also in food industry, there are numerous fields of application for this high tech material. Regular cleaning cycles ensure hygiene and safety when handling and processing food. With its antibacterial function, LAMILUX AntiBac creates additional safety for the time in between the cleaning cycles. This can be advantageous especially in surroundings where food is handled continuously, such as food processing, kitchens, or in food retail.

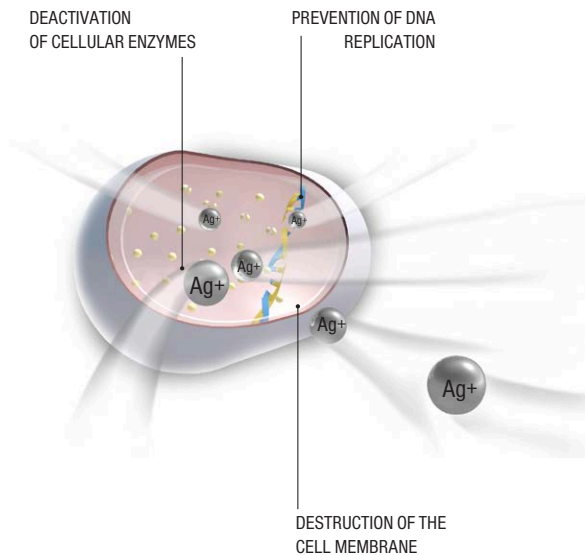
LAMILUX AntiBac – safe and sterile surface

- optional for additional safety
- available for gelcoated products
- can be combined with LAMILUX Super, LAMILUX Embossed, LAMILUX HG 4000

TRIPLE EFFECT AGAINST PATHOGENS

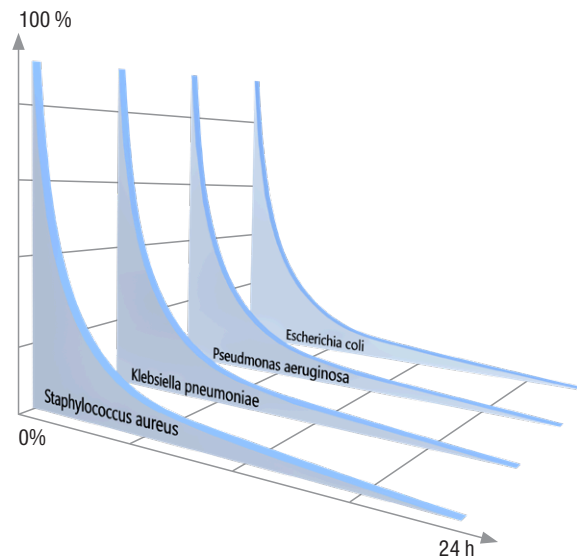
Triple effect on bacteria:

- Destruction of metabolism due to deactivation of cellular enzymes
- Destruction of the cell membrane
- Prevention of DNA replication



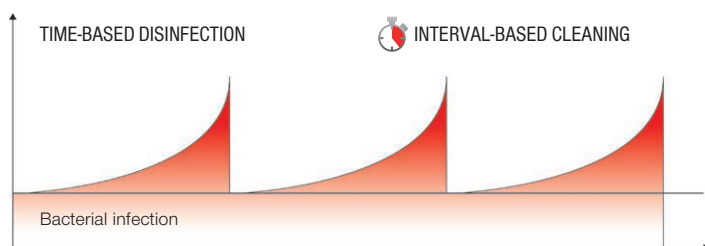
Effectiveness as per DIN EN ISO 22196 and JIS Z 2801 based on four representative bacteria

More than 99.9% of all bacteria are killed within 24 hours.



ADDED SAFETY

With its permanent effect, LAMILUX AntiBac helps to compensate for natural fluctuations in cleaning and disinfection at every point of the wall and ceiling surfaces. This creates a redundant system of maximum hygienic safety.



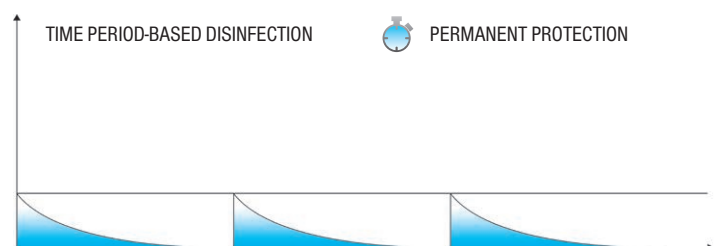
Starting from the time of disinfection, bacteria reproduction again increases exponentially. Often, a critical level is already reached here, before the population growth is stopped by the next cleaning action.

Without LAMILUX Antibac



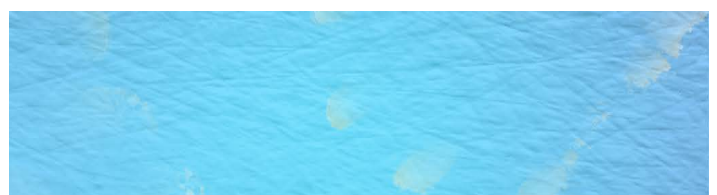
Cleaning and disinfection are not always equally effective at all locations.

What disinfection means here is reducing germs by a factor of at least 10^6 ; in other words, fewer than 10 of 1,000,000 replicable germs survive.



However, time period-based disinfection through LAMILUX AntiBac immediately suppresses the propagation of bacteria. Uninterrupted disinfection of the surface occurs 24 hours a day, 7 days a week, 365 days a year.

With LAMILUX Antibac



The LAMILUX AntiBac nano silver surface offers continuous disinfection at any point of the surface, even in hard to reach areas.

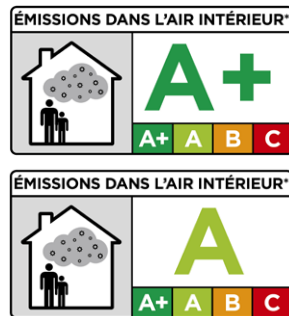
LAMILUX WALL AND CEILING PANELS – CERTIFIED SAFETY AND UNCOMPROMISED QUALITY

High indoor air quality with low VOC emissions

LAMILUX wall and ceiling panels are certified to have low emissions of volatile organic compounds (VOCs) according to SCS Indoor Advantage Gold Seal.

SCS Global Services (SCS) has been providing global leadership in third-party quality, environmental and sustainability verification, certification, auditing, testing, and standards development for three decades. Indoor Advantage Gold certification assures that building material products support a healthy indoor environment by meeting strict indoor air quality (IAQ) chemical emission limits for volatile organic compounds (VOCs).

Besides the internationally renowned SCS Indoor Advantage Gold Seal, LAMILUX Composites further comply with the VOC schemes of AgBB as well as Émissions dans l'air Intérieur of which are both well-established in Europe.



TEST CERTIFICATES & APPROVALS

Not all composites are alike – fibre-reinforced composites must provide maximum benefit for industry in terms of material applications while meeting all quality parameters. Robustness, appearance, durability and consistently uniform physical and mechanical properties: LAMILUX is a leader in quality, innovation and problem-solving in its sector since decades.

LAMILUX is the world's first manufacturer of fibre-reinforced composites to have voluntarily submitted its laboratory and testing facilities to inspection by TÜV Süd Deutschland and to have successfully obtained certification. The voluntary inspection by TÜV Süd Deutschland implicates compliance with stringent quality requirements. Our in-house Research and Development Department uses ultramodern laboratory equipment and simulation environments to guide our composites through all stages in their development, production and life cycles. Comprehensive material tests and analyses form the basis to perform a reliable check on the properties of LAMILUX composites and ensure their resistance and long service life. We are not satisfied until we are able to reliably deliver uncompromising, flawless quality.





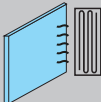
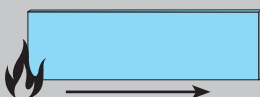
- Water vapour diffusion according to DIN 53122 part 2
- Scratch resistance according to EN 15186
- TÜV Süd certified quality
- Reach
- ISO 9001



WIDE RANGE OF FLAME-RETARDANT AND FREE OF HALOGENS

The LAMILUX FireShield® product family includes solutions for a wide range of flame-retardant requirements in construction as well as for transport by land, sea and air. Thanks to different reinforcements and different resin systems, LAMILUX FireShield® can be configured to meet flame retardant requirements and a wide range of requirements in terms of mechanics, appearance, hygiene and functionality.

All our flame-retardant product qualities are also free of halogens: due to the non-corrosive vapours, this prevents further consequential damage in the event of fire.

 DIN EN 13501-1	 BS 476, pt 6/7	 ASTM E 84
A1/A2 B FireShield® 600 B-s1, d0 FireShield® 630 B-s2, d0 FireShield® 670 B-s2, d0 FireShield® 505 EMB B-s2,d0 C FireShield® 630 C-s2, d0 D FireShield® 610 D-s2, d0 E	Class 0 Class 1 FireShield® 600 Class 2 FireShield® 505 EMB FireShield® 630 Class 3	Class A FireShield® 505 EMB Class B FireShield® 600 FireShield® 610 FireShield® 630 Class C
		

HACCP HYGIENE STANDARD AND FOOD SAFETY

LAMILUX wall and ceiling panels are certified as suitable for use in food and beverage facilities that operate in accordance with a HACCP based Food Safety Programme. Tested by HACCP International, the wall and ceiling panels were found to be applicable in the Splash or Spill Zone (SSZ).

HACCP International is in the business of food safety certification, undertaking commercial food safety work, assessing and analysing food safety matters and offering independent advice, evaluation and analysis on products and services for use in the food and beverage industry. Their certification confirms the ability of equipment, materials and services to support the integrity and safety of food as demanded by industry expectations.

Beyond a large variety of wall and ceiling panels for SSZ at choice, LAMILUX Composites feature options for direct food contact and for indirect (unintentional) and intentional food contact.

For Food Safety Lamilux has certified tests of special materials in special environments. Must be checked on a case-by-case basis.



OUR PRODUCTS

WITH SMOOTH AND EMBOSSED SURFACE



Reference in UV resistance
LAMILUX SUNSATON®



Flame retardant surfaces
LAMILUX FireShield®



Integrated plaster facade
LAMILUX TextureWall



For sterile surfaces
LAMILUX AntiBac



Versatile classic
LAMILUX Super



An attractive classic
LAMILUX HG 4000



an new attractive classic
LAMILUX HG 5000



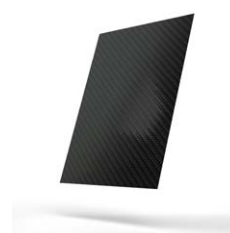
A solid classic
LAMILUX woven roving



textured surface
LAMILUX Embossed



smart flooring solutions
LAMILUX Composite Floor



high-performance material
LAMILUX X-treme Carbon



anti-slip flooring
LAMILUX Anti Slip



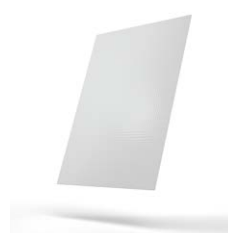
decorative surface
LAMILUX LAMIGraph



innovative construction element
Facade Panel



innovative composite material
LAMILUX LAMifoamtex



impact-resistant material
LAMILUX High Impact



construction material
LAMILUX X-treme

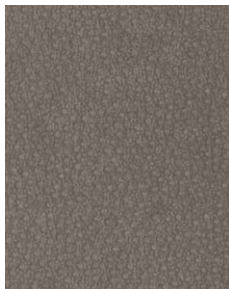


innovative sport laminate
LAMILUX LAMIsport X-treme

OUR PRODUCTS

FINISHED WITH DECORATIVE SURFACE

Versions



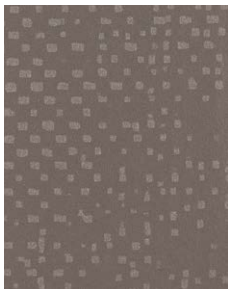
LAMILUX LAMIGraph
De Amicis



LAMILUX LAMIGraph
Keanu



LAMILUX LAMIGraph
Lennox



LAMILUX LAMIGraph
Metropolis



LAMILUX LAMIGraph
Minogue



LAMILUX LAMIGraph
Karlsbad



LAMILUX LAMIGraph
Oxford



LAMILUX LAMIGraph
Aralie Sen



LAMILUX LAMIGraph
Crossstone



LAMILUX LAMIGraph
Mendip Ash



LAMILUX LAMIGraph
Canvas



LAMILUX LAMIGraph
Tajet Oxford



LAMILUX LAMIGraph
Nefertari

LAMILUX LAMIGraph is available

- in thicknesses between 1.0 and 3.0 mm
- in widths up to 2.15 m, depending on the décor layer
- in sheets or coils
- with other thicknesses, dimensions or décors, on request
- with different treatments on the back surface (smooth, sanded, soft sanded), on request

Specific product advantages

- high strength
- numerous décor options available
- less sensitive to moisture than plywood
- no formation of mould
- no butt joints, in contrast to wooden décor panels

LAMILUX COMPOSITES – THE CHOICE FOR HYGIENIC AND DURABLE SURFACES IN RESTAURANTS

kitchens • dining rooms • restrooms
self-service beverage stations • store rooms

In all types of international restaurants and cafes (chained and none chained) LAMILUX is the preferred supplier. LAMILUX FRP replaces the traditional ceramic tiles and mineral fiber ceilings. LAMILUX FRP offers the best hygienic environment with the highest durability. The ROI is very high due to the low cost of maintenance.

Our customers: Starbucks, P.F. Chang's, Tim Hortons, Kyochon, Popeyes, Costa Coffee, Al Beiruti, The Lighthouse, Gazebo, Kata



P.F. CHANG'S



البيروتي
AL BEIRUTI







LAMILUX WALL AND CEILING PANELS – RELIABLY PERFORMING IN FUNCTION AND SAFETY FOR RETAIL (MALLS/SUPERMARKETS)

public areas • customer service • restrooms
bakeries • delis • store rooms • malls • supermarkets

For malls and supermarkets, no matter if front or back of house, LAMILUX FRP panels are ideal for areas with high traffic of people or trolleys. Here, high impact resistance and strong durability along with hygienic performance, low cost of maintenance, easy-to-clean finish and a fast installation are must-haves for end-users.

Our customers: The Dubai Mall, Ibn Battuta Mall, Souk Al Bahar Mall, Nakheel Mall, M&S Al Futtaim Retail, MAF (Carrefour), Union Coop, Al Maya

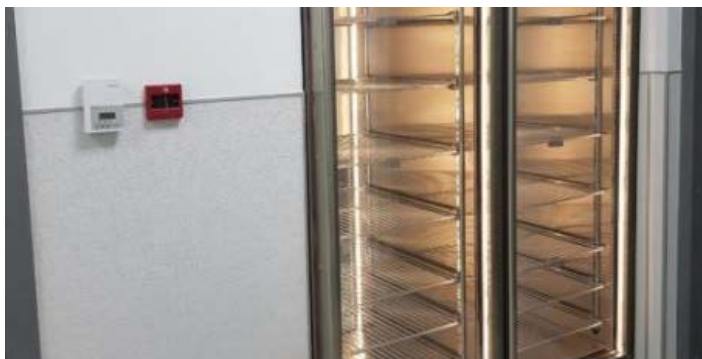
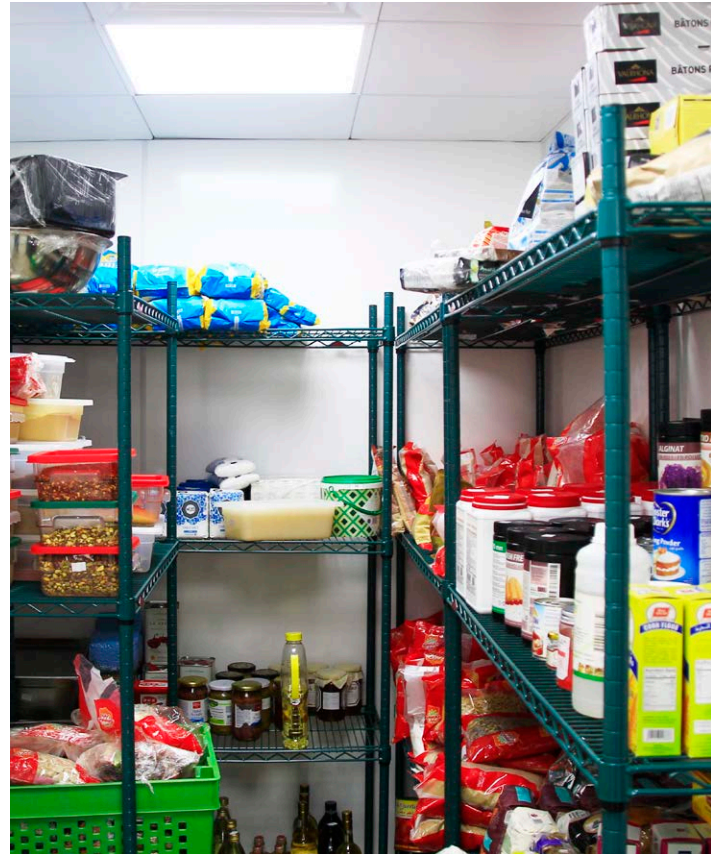


LAMILUX WALL AND CEILING PANELS – FOR DESIGN IN FRONT AND BACK OF THE HOUSE (HOTELS/RESORTS)

cafes • kitchens • lobbies • restrooms
food service areas • service hallways

In both front of house and back of house, LAMILUX FRP panels are the premium alternative to traditional building materials such as ceramic, PVC, paint, S.S., checker plate, being installed in kitchens, laundries, garbage rooms, service corridors, gyms & spa areas.

Our customers: The Address, Burj Khalifa, Al Manzil, Jebel Ali Resorts, Le Meridien, Marriott Inn, Jumeirah Beach Hotel, Palm Tower, SLS Hotel



AlManzil
DOWNTOWN DUBAI

JA
RESORTS
& HOTELS

ADDRESS
HOTELS+RESORTS

إمكانيات
IMKAN

Burj Khalifa

Residence
Inn®
Marriott

Jumeirah
MADINAT JUMEIRAH







LAMILUX ANTIBAC – MAXIMUM HYGIENE FOR STERILE SURFACES IN PROCESSING PLANTS

cleanrooms • pharmaceuticals • labs
food processing plants • hospitals • warehousing
central kitchens

LAMILUX FRP can either be applied on top of old GI sandwich panels during renovation of existing coldrooms or as top sheet during production of brand new cold room panels. Again the hygienic performance and the impact resistance make LAMILUX FRP the best option for end users who operate in cold rooms with high traffic. It solves all traditional problems with normal GI skins as corrosion, dents, scratches.

Our customers: Barakat Quality Plus, Aero Farm Abu Dhabi, MAF Carrefour Central Kitchen, BBK Central Kitchen



AeroFarms®



mirak *The Best of Nature*

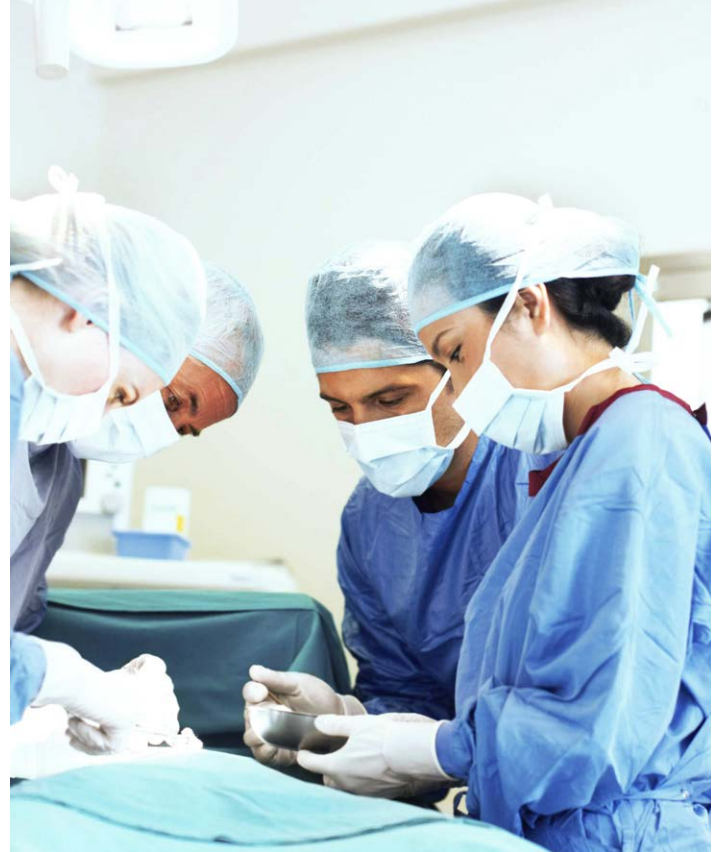


LAMILUX ANTIBAC – MAXIMUM HYGIENE FOR STERILE SURFACES FOR HEALTHCARE

waiting rooms • doctor offices • hospital rooms
restrooms • dialysis clinics

LAMILUX FRP is a premium hygienic, anti-bacterial product and hence it is widely used within the global healthcare sector for both front of house and back of house areas.

Our customers: Al Tawam Hospital, Ain Al Khaleej Hospital, University Hospital Sharjah









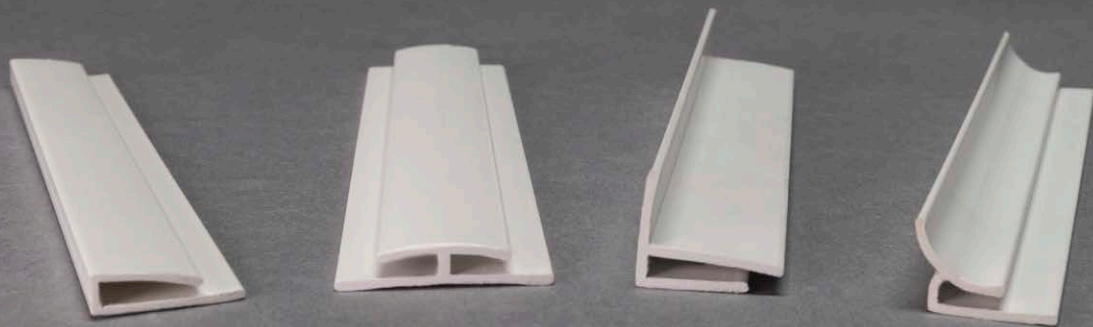
LAMILUX WALL AND CEILING PANELS – FOR DESIGN IN FRONT AND BACK OF THE HOUSE (EDUCATION)

cafeterias • classrooms • restrooms • hallways
locker rooms • stadiums

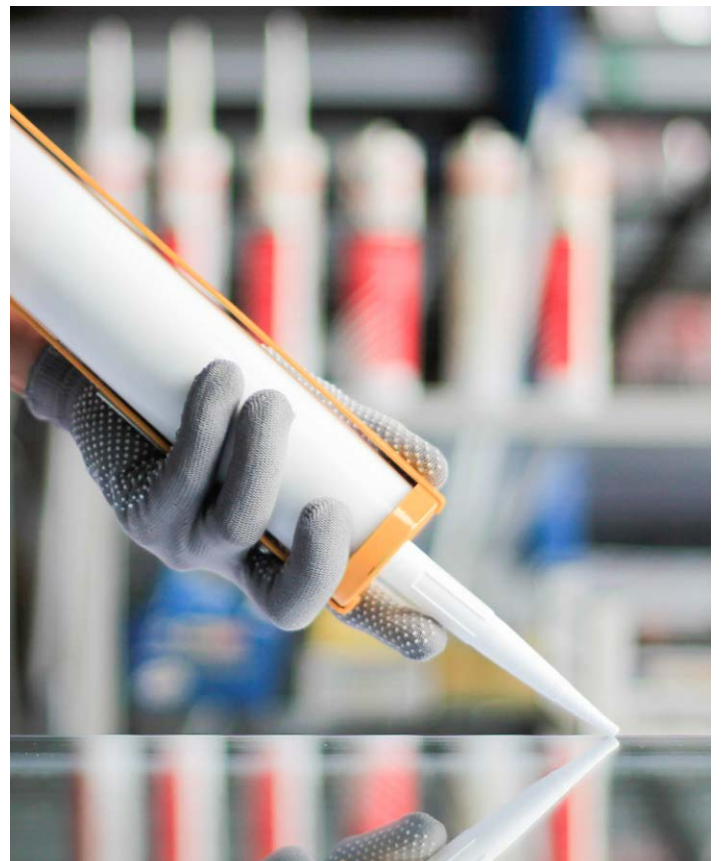
In both front of house and mainly back of house, LAMILUX FRP panels can be installed in kitchens, laundries, garbage rooms, service corridors.



FINISHING TOUCHES: TRIMS & ADHESIVE



PVC- and aluminium trims



LAMILUX wall panels are easy to install with its installation tools



GET YOUR PROJECT STARTED
AND CONTACT US



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composites@lamilux.de
www.lamilux.com

