

PRODUCT OVERVIEW

The cleanest solution for hygienic walls and ceilings
in production and storage areas.



Easy Clean Panels

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Optimized for
hygiene

A green line originates from the text 'Optimized for hygiene' and points to a textured, light blue surface, likely a wall or panel, emphasizing its hygienic properties.

Robust and durable

A green line originates from the text 'Robust and durable' and points to a corner joint where two light blue panels meet, highlighting the structural integrity and durability of the material.

**Simple and quick
installation**

We are ECP

We offer innovative FRP system solutions as a durable and hygienic alternative to conventional wall and ceiling finishes such as tiles, plaster, or steel panels. The low-joint, easy-to-clean elements ensure maximum hygiene and minimal maintenance.

Our products are ideal for food production, controlled-atmosphere storage facilities, and highly specialized environments such as medical and laboratory applications.



FRP = Fibre-reinforced plastic

Our Vision: Hygiene – efficient and cost-saving

We are revolutionizing the market for hygienic building systems with sustainable, cost-efficient, and future-proof FRP surfaces.

Our goal: Maximum efficiency and hygiene without compromise.

Exploring **New** Paths

Over 20 years of expertise in sandwich panel technology: Today, ECP develops and manufactures high-quality wall and ceiling systems for the most demanding hygiene requirements. Our solutions combine easy hygiene, durability and sustainability. They provide a high-performance alternative to tiles, plaster or wall and ceiling systems with steel facings and have been specifically developed for industries with the highest requirements for hygiene, durability and ease of cleaning.

With an experienced team, short decision-making processes and tailor-made concepts, we combine flexibility with innovation. In addition to proven sandwich panels, we develop customised solutions tailored precisely to each application.

In 2019, Kai and Michael Manhard joined the company as the second generation. With a modern approach, they consistently drove the development of hygienic construction solutions forward. Since June 2026, ECP has been part of the LAMILUX Group. As an independent company, we remain committed to delivering uncompromising quality for demanding environments. At the same time, being part of an internationally successful family-owned company opens up new opportunities for us to develop innovative solutions and provide even better support to our customers.



LAMILUX Managing Director Dr Alexander Strunz (left) with the ECP team

Advantages of Our Products

Our FRP Surfaces

Hygiene and Cleaning

A FRP wall and ceiling system provides a smooth, non-porous surface that can be easily cleaned of residues, dirt, and mould – even in warm and humid environments.

It can be cleaned using high-pressure systems without aggressive cleaning agents. Large panel sizes minimize joint lengths. Our FRP meets the highest hygiene standards and is suitable for gastronomy, food production, and laboratories.



Maintenance and Durability

The surface is resistant to chemicals, scratches, and impacts and does not corrode. Minor damage can be repaired locally.

The durable surfaces retain both function and appearance even under heavy use – without frequent maintenance or complex repairs.

With our KL 25 Hard Joint, regular replacement of soft expansion joints is no longer required.

Criteria	Tiles	Stainless Steel	Aluminium	FRP Surfaces
Liquid tightness	✗ Surface tight, joints absorb liquids	✓	✓	✓ Closed and tight
Resistance to cleaning agents	✗ Very sensitive joints	~ Sensitive to certain substances	~ Sensitive to aggressive substances	✓ Resistant
Joint-free installation	✗	~ Large tiles but visible joints	~ Large sheets but visible gaps	✓ Large panels, nearly invisible, maintenance-free joints
No particle/rust formation	✗ Joints can become porous	~ Occasional issues over time	✓ Oxide layer	✓ No corrosion
Maintenance effort	✗ Joint maintenance, sealing and regrouting	~ Easy cleaning, difficult repair	~ Mild cleaning required	✓ Low effort
Mechanical resistance	~ Hard but brittle, prone to chipping	✓ Strong and durable	✗ Soft, dent-prone	✓ Impact & scratch resistant

Our sandwich panels

Thermal Insulation

As a sandwich construction with an integrated core, FRP offers not only hygienic advantages but also effective thermal insulation. This improves the energy efficiency of commercial buildings.

With sufficient thickness, it enables efficient cold storage environments. Depending on the insulation material used, sound transmission can also be reduced.

Insulation value identical:



Easy and Fast Installation

Thanks to their low weight and precise dimensions, elements can be installed quickly and cleanly.

As renovation elements or directly bonded FRP-sheets, they can be applied directly to existing substrates such as tiles or concrete. This minimizes downtime and reduces renovation costs.

EasyClean-Pan® insulation panels can also be used as free-standing walls to quickly create new production areas.



Low weight



**Fast installation,
minimal downtime**



**Reduced maintenance and
renovation effort**



**Durable and
resource-efficient**



**Design flexibility and
adaptability**

Our Products

Our wall and ceiling systems have one common goal:

To implement commercial and industrial spaces quickly, easily, and cost-efficiently while meeting the highest hygiene standards for the food industry, medical sector, and other demanding environments.

Both existing spaces can be renovated and new rooms can be created using wall constructions and suspended ceilings.

Our products are designed exclusively for indoor use and are not intended for exterior walls or roofing structures.



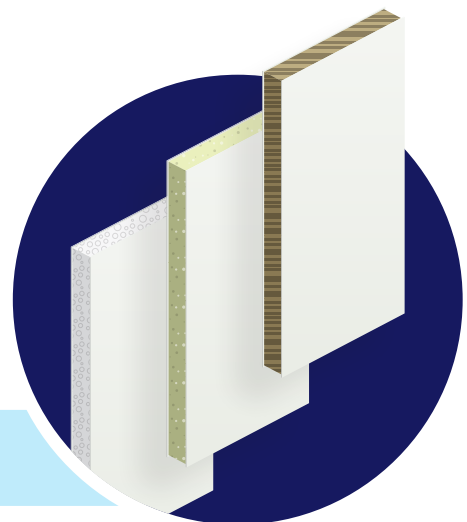
Our products support HACCP-compliant applications in the food industry. On request, they are also available with additional **HACCP+ certification**, allowing extended food contact for specific applications. We also offer the antibacterial **AntiBac** coating as an additional option.



On the following pages, you will find an overview of our key products and accessories, along with detailed information on insulation performance, tools, and installation.

For the highest hygiene requirements

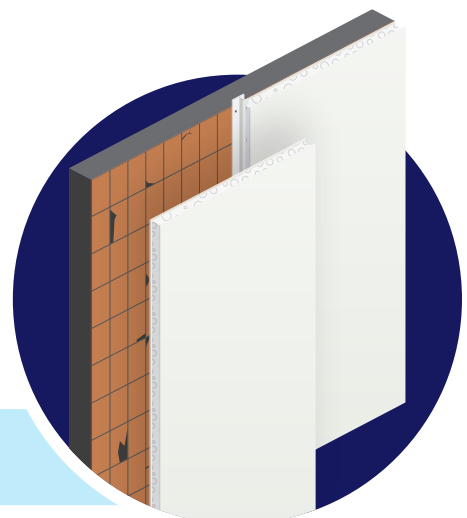
EasyClean-Pan® insulation panels consist of an insulating core with hygienic FRP facing layers. They enable durable, corrosion-free wall and ceiling surfaces that withstand even intensive wet cleaning. The KL 25 Hard Joint and rounded corner modules maximize hygiene and durability.



EasyClean-Pan® Insulation Elements 10

For fast retrofitting

EasyClean-Pan® Renovation Elements are thin sandwich panels with a FRP surface layer used to provide hygienic, corrosion-resistant wall and ceiling cladding. They are installed using H-mounting profiles and are used when existing surfaces no longer meet hygiene and durability requirements.



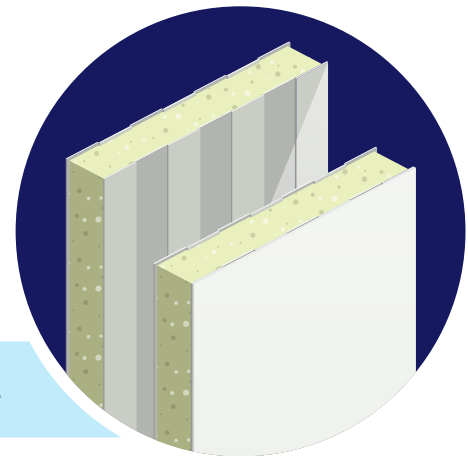
EasyClean-Pan® Renovation Elements 12

For high structural and safety requirements

EasyClean-KombiPan elements combine the strength of steel sandwich panels with the resistance of FRP surfaces. The steel surface is coated with a hygienic, physiologically safe FRP layer. The self-supporting elements with KL 25 Hard Joint meet the highest hygiene and durability requirements.

EasyClean-KombiPan Elements

14

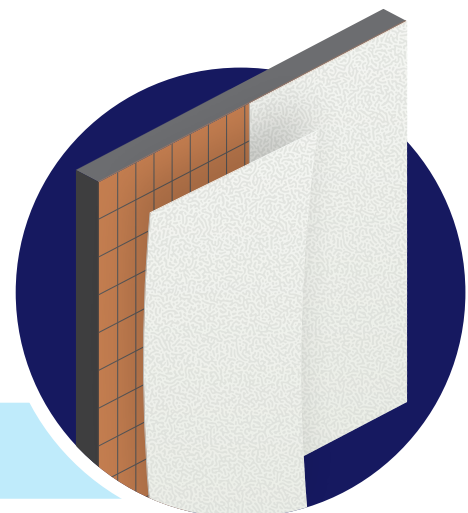


For easy direct installation

EasyClean-Direct is a wall cladding system made of FRP sheets that are bonded directly to load-bearing substrates (such as sheet steel, tiles, or concrete). This system creates surfaces that withstand intensive wet cleaning and meet higher hygiene standards.

EasyClean-Direct

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GlasPro® or Basic FRP?

For our sandwich panels, we offer various FRP surface layers. If maximum hygiene, durability, and resistance to germs are required, choose GlasPro® FRP. Whether smooth or embossed, with film, Gelcoat, or special treatments for the food industry – our range is versatile and customizable.

Available Coatings

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EasyClean-Pan® Insulation Elements

The original for hygienic interiors

Robust. Food-safe. Virtually seamless.

The wall and ceiling system for those who make no compromises in hygiene. The self-supporting sandwich panels with FRP facing layers are corrosion-free, chemical-resistant, and exceptionally easy to clean, even under intensive wet cleaning.



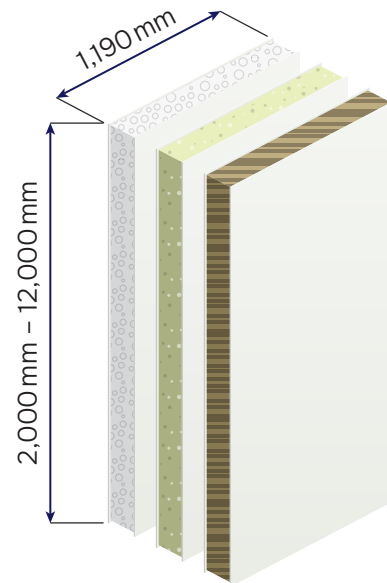
Individually
configurable

KL25

Ideal with
Hard Joint

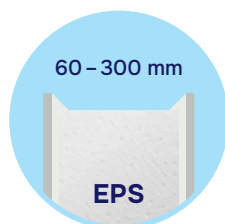


Perfect for cold
storage rooms

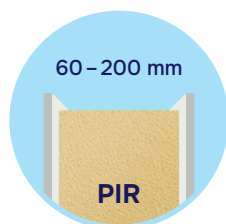


Other dimensions available on request at an additional cost

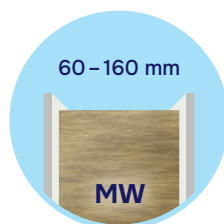
Core materials & thickness



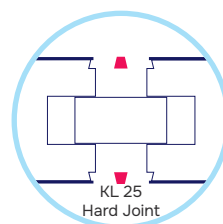
Expanded
Polystyrene



Polyisocyanurate

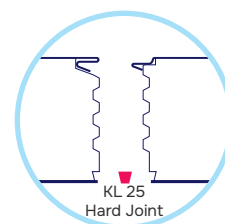


Mineral wool



Groove and loose
tongue

Standard



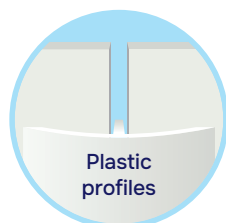
Crown profile with
Z-Lock

Rear side: steel sheet

Jointing



KL 25
Hard Joint

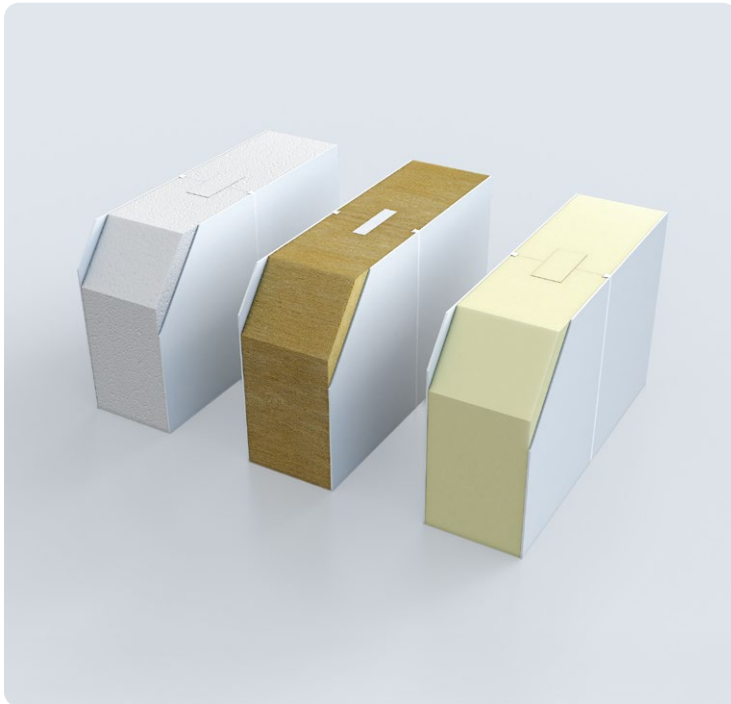


Plastic
profiles



Reaction to fire
Normal flammability

Composite element normal flammability
Class E (DIN EN 13501-1), corresponds to B2 (DIN 4102)



EasyClean-Pan® Renovation Elements

The flexible system for fast and/or retrofit installation

Renovate instead of demolish.

The fast solution for hygienic wall and ceiling surfaces in existing buildings. These thin, self-supporting sandwich panels with high-quality FRP facing layers can be installed directly onto existing substrates such as tiles, plaster, or metal—without extensive preparation.

The result: a low-joint, plain, corrosion-free surface that meets modern hygiene and cleaning standards. Also suitable for new builds as a hygienic facing layer—easy to maintain, durable, and quick to install.



Individually
configurable

KL25

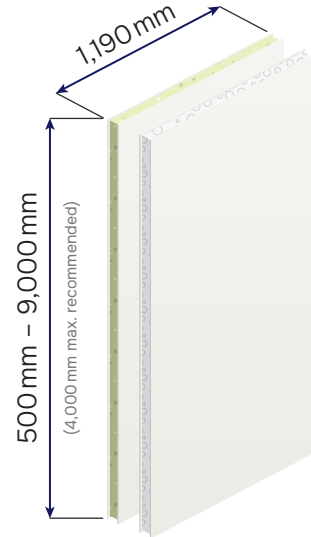
Ideal with
Hard Joint



Easy
renovation

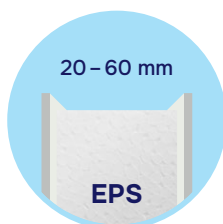


Fast
retrofitting

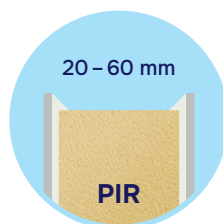


Other dimensions available on request at an additional cost

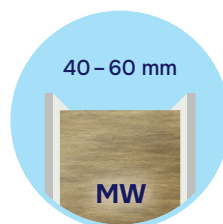
Core materials & thickness



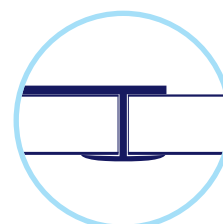
Expanded
Polystyrene



Polyisocyanurate

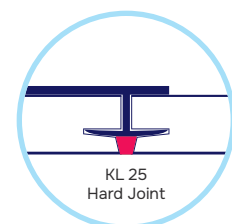


Mineral wool



H-mounting profile

Standard



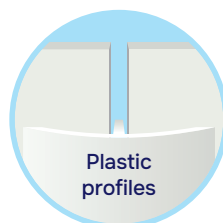
Small H-mounting profile

For 20 mm thickness + KL 25

Jointing



KL 25
Hard Joint

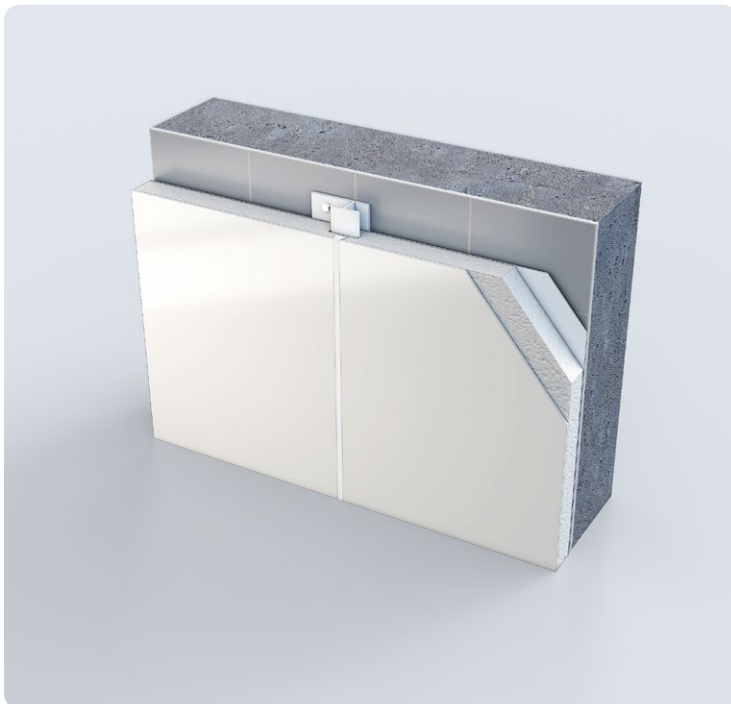


Plastic
profiles



Reaction to fire
Normal flammability

Composite element normal flammability
Class E (DIN EN 13501-1), corresponds to B2 (DIN 4102)



EasyClean-KombiPan

The best of both worlds

When standard solutions are not enough.

Combines the structural strength of conventional PU steel sandwich panels with the hygienic durability of FRP surfaces. The applied coating transforms standard panels into robust building elements that withstand heavy use while remaining corrosion-resistant and easy to clean.

Combined with the proven KL 25 Hard Joint, this creates an almost seamless, low-maintenance surface system – ideal for hygiene-sensitive, high-load environments.

KL25

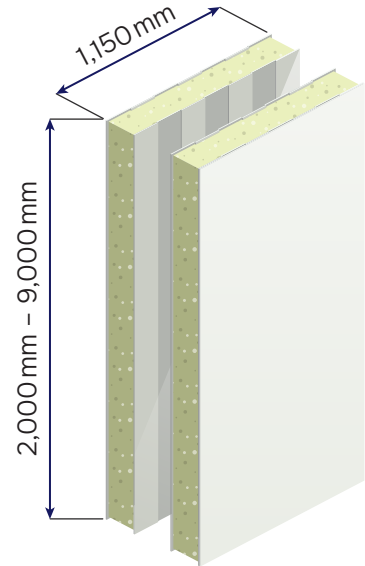
Ideal with
Hard Joint



Particularly
stable



Single-/double-
sided FRP

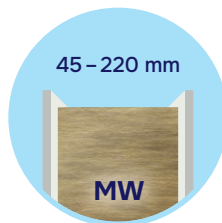


Short lengths available on request

Core materials & thickness



Polyisocyanurate



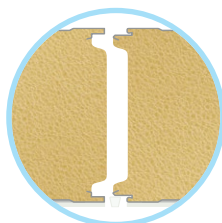
Mineral wool

Jointing



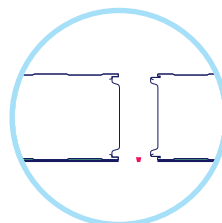
KL 25
Hard Joint

Panel connection

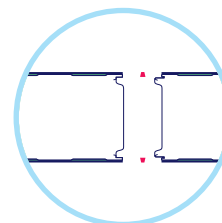


Plug-in joint with
direct contact

Coating



Single-sided
FRP coating



Double-sided
FRP coating



Reaction to fire

Normal flammability

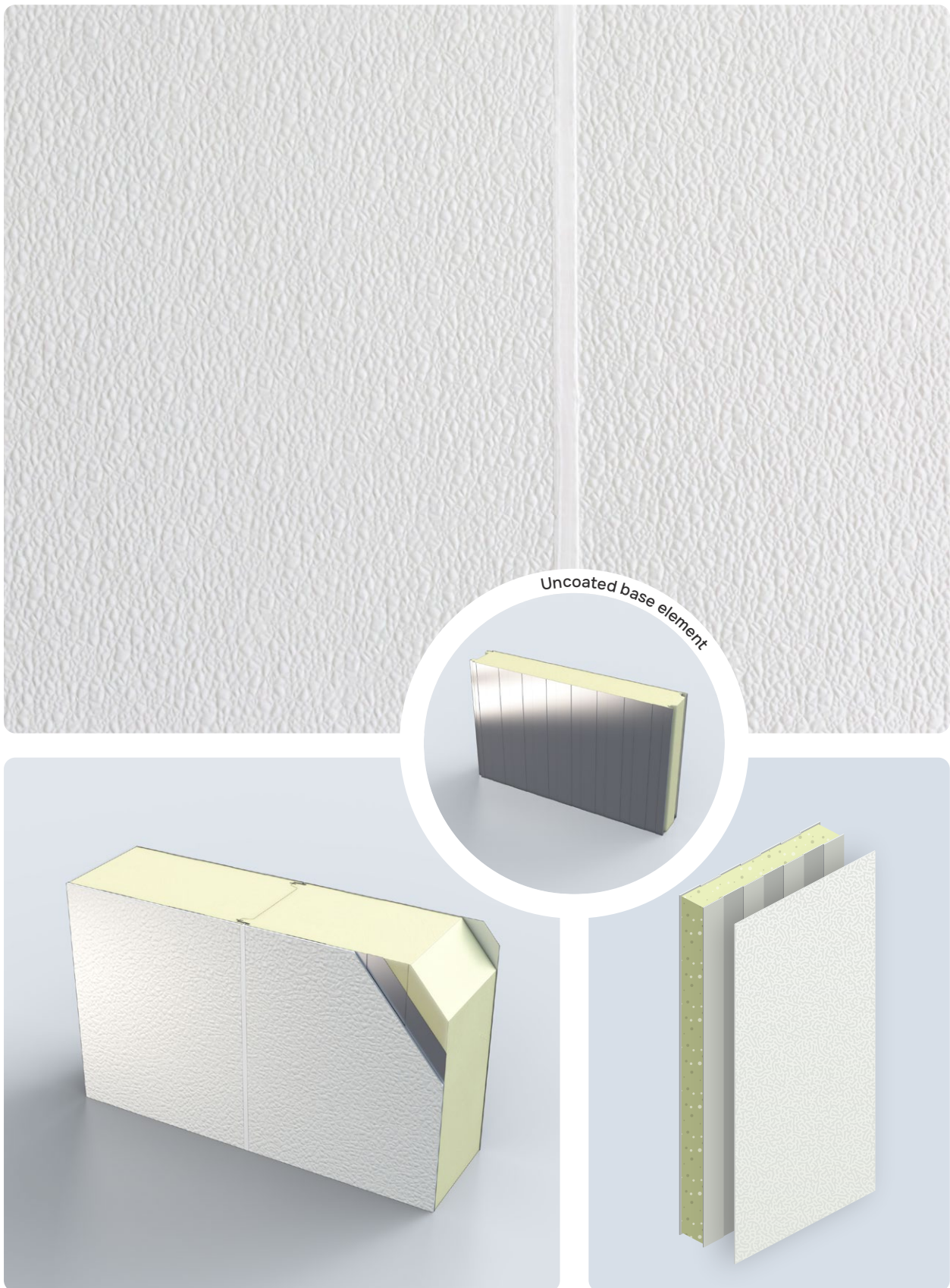
Flame-retardant



Building material class: normally flammable E (EN 13501-1)/ B2 (DIN 4102)

Optional:

Building material class: flame-retardant C-s2, d0 (EN 13501-1)/ B1 (DIN 4102)
[Base element B-s2, d0 (without FRP-Coating) according to EN 13501-1]



EasyClean-Direct

The simplest and fastest way to new walls

Simple. Space-saving. Cost-efficient.

High-quality FRP sheets bonded directly to load-bearing substrates such as tiles, concrete, or sheet steel.

Ideal for new builds and renovations, offering excellent value for money and creating smooth, easy-care, corrosion-free surfaces in no time.

As a complete system including adhesives, installation accessories, and jointing technology, EasyClean-Direct is the efficient solution for all areas where hygiene and durability are essential – from food production to cleanroom environments.

KL25

Ideal with
Hard Joint



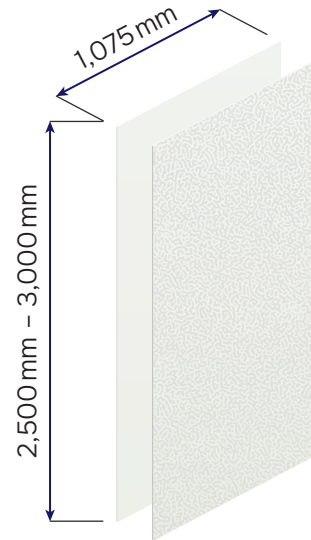
Easy
renovation



Fast
retrofitting



Particularly
space-saving

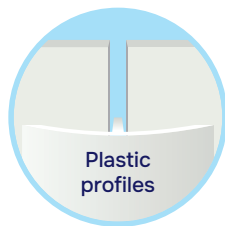


Other dimensions available on request at an additional cost

Jointing



KL 25
Hard Joint



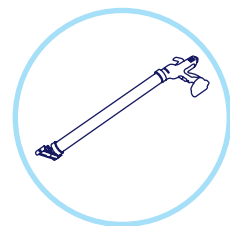
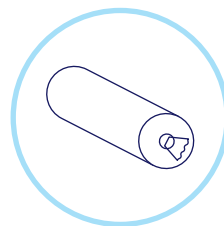
Plastic
profiles

Bonding



Adhesive application on the
back of the FRP panels

For installation, the panels are applied to the wall by placing adhesive in strips on the back and pressing them onto the surface. For this purpose, we offer the **Ad-Maxx 2.0** surface adhesive, as well as our dedicated tool, the **E-Press Ad-Maxx 1800**.



Reaction to fire

Normal flammability

Flame-retardant

Building material class: normally flammable E (EN 13501-1)/ B2 (DIN 4102)

Optional:

Building material class: flame-retardant B-s2, d0 (EN 13501-1)/ B1 (DIN 4102)



Coating Options

GlasPro® or Basic FRP?

Durable. Easy to clean. Versatile.

Our FRP surfaces are specifically developed for sensitive applications with high hygiene and mechanical requirements. They are non-porous, chemical-resistant, UV-resistant, and can be individually configured: smooth or embossed, with various coatings and optional enhancements.



Individually configurable

Ideal with Hard Joint

Smooth or embossed?



The FRP facings are available with either a smooth or embossed finish. Both options offer the same hygienic, chemical-resistant and durable properties. The difference lies in their appearance, feel and cleaning characteristics:

- **Smooth:** Minimal dirt adhesion and a flawless appearance.
- **Embossed:** More resistant to mechanical stress and more forgiving of minor signs of wear. Cleaning foams adhere more effectively.

Choose the surface that best meets your requirements based on the application, cleaning intervals and visual preferences.

Hygiene and Additional Options

HACCP+



This certification confirms that the surface meets additional HACCP requirements and is approved for extended contact with food without negative effects.

AntiBac



A special microsilver coating that effectively eliminates bacteria within a few hours.

Further comparison criteria

Properties	Coatings						
	None	Heatseal Film			Gelcoat		
Porosity-free surface	✓		✓	✓	✓		
Cleanability	✓		✓	✓	✓		
Chemical resistance	✓		✓	✓	✓		
Scratch resistance	✓	✓	✓			✓	✓
Repairability	✓		✗			✓	✓

Product Line	Surface	Coatings	Thickness	Options / Notes
   Made in Germany	Embossed 	Heatseal Film	2 mm	
			3 mm	
			1.5 mm	Flame-retardant + Fabric reinforced
	Smooth 	Gelcoat	2 mm	HACCP+ / AntiBac
			3 mm	HACCP+ / AntiBac
			1.5 mm	Flame-retardant

Alternatives

As an alternative to GlasPro®, we offer Basic FRP surfaces for less demanding areas where the highest hygiene standards are not essential. We will be happy to discuss the most suitable option for your project.

Alternative Surfaces

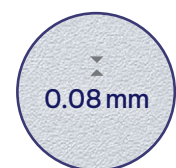
Additional materials are available as alternatives. These surfaces are intended for concealed rear sides and should not be directly exposed to the usable space.



Thin FRP



Sheet steel
(painted grey)



Aluminium foil

HEATSEAL FILM:

Products with a Heatseal film feature an FRP surface covered with a PET film, which is permanently bonded to the FRP during the manufacturing process. This creates a strong, impermeable seal.

GELCOAT:

The Gelcoat consists of a special resin and forms a durable surface layer. During production, it is chemically bonded to the FRP, providing additional protection and durability.

Thermal Insulation

The following thermal conductivity values λ_B in accordance with DIN 4108-4 are used in the calculations. They result in the U-values shown in the table, indicating the insulation performance of the respective materials and thicknesses.

EasyClean-Pan® Insulation/Renovation Elements

EPS $\lambda_B=0.040 \text{ W}/(\text{m}\cdot\text{K})$
 $\lambda_B=0.035 \text{ W}/(\text{m}\cdot\text{K})$

PIR $\lambda_B=0.027 \text{ W}/(\text{m}\cdot\text{K})$

MW $\lambda_B=0.048 \text{ W}/(\text{m}\cdot\text{K})$



EasyClean-KombiPan

PIR $\lambda_B=0.0226 \text{ W}/(\text{m}\cdot\text{K})$



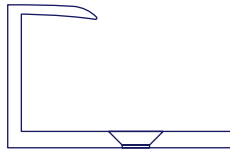
Thermal conductivity according to EN 14509 (including joint).

Insulation core thickness [mm]	U-values [$\text{W}/(\text{m}^2\cdot\text{K})$]				
	EasyClean-Pan® (Insulation/Renovation)				KombiPan
	EPS 040	EPS 035	PIR 027	MW 048	PIR
20	2.000	1.750	1.350	2.400	-
30	1.333	1.167	0.900	1.600	-
40	1.000	0.875	0.675	1.200	-
45	0.889	0.778	0.600	1.067	0.540
60	0.667	0.583	0.483	0.800	0.388
80	0.500	0.438	0.338	0.600	0.285
100	0.400	0.350	0.270	0.480	0.226
120	0.333	0.292	0.225	0.400	0.187
140	0.286	0.250	0.186	0.343	0.160
160	0.250	0.219	0.163	0.300	-
170	-	-	-	-	0.131
180	0.222	0.194	0.144	-	-
200	0.200	0.175	0.130	-	0.111
220	0.182	0.159	-	-	0.101
240	0.167	0.146	-	-	-
260	0.154	0.137	-	-	-
280	0.143	0.125	-	-	-
300	0.133	0.117	-	-	-

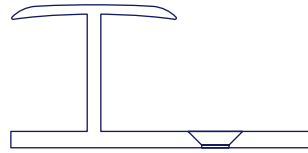
Accessories

Mounting profiles

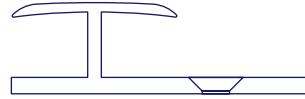
For fastening renovation elements to existing wall and ceiling structures.



U-Mounting Profile



H-Mounting Profile

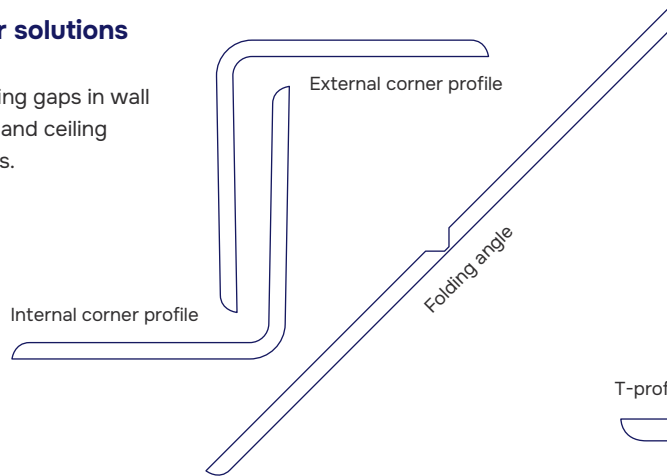


Small H-Mounting Profile

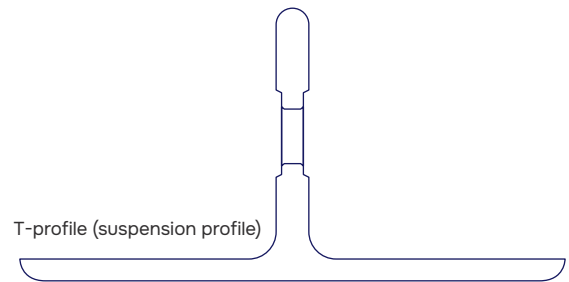


Corner solutions

For sealing gaps in wall corners and ceiling junctions.

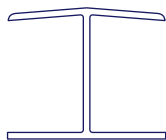


Ceiling suspension



Joint profiles

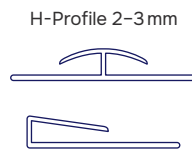
As a simple and cost-effective alternative to the KL 25 Hard Joint.



H-Profile



U-Profile



H-Profile 2-3 mm

U-Profile 2-3 mm

Material & Colour

Most profiles are made of plastic and have a colour very similar to the standard colour of our FRP surfaces: "Traffic White".

**RAL
9016**

Possible corner solutions



KL 25 Hard Joint



Internal corner profile



Triangular Profile



With prefabricated corner module for room corners

Tools

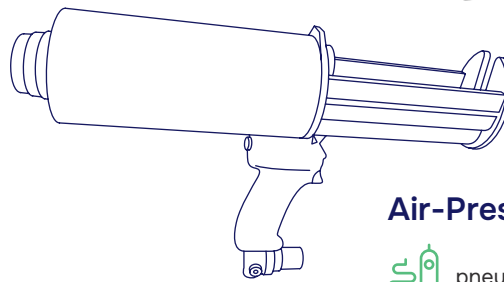
We offer various tools for installation, either for sale or rental.

For KL 25 Hard Joint

Dispensing guns for two-component joint compound.



Our in-house developed KL 25 Hard Joint compound in a cartridge with mixing nozzle



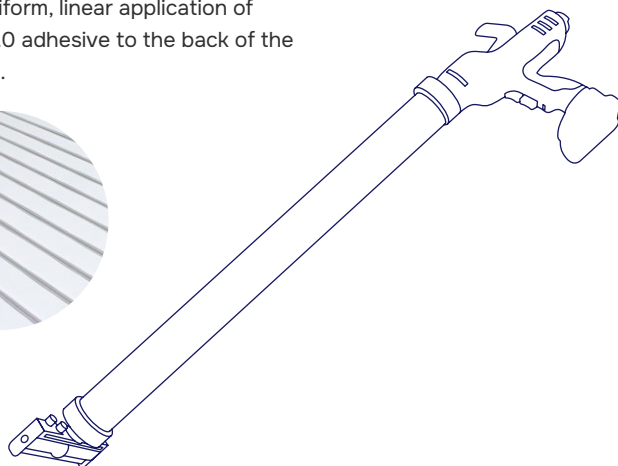
Suitable tools are essential:

Due to the required rapid processing of the joint compound, only a few minutes are available for application and smoothing before it begins to cure.

For EasyClean-Direct

E-Press Ad-Maxx 1800

Enables uniform, linear application of Ad-Maxx 2.0 adhesive to the back of the FRP panels.



Pressure roller

Facilitates uniform, large-area pressing of the FRP panels onto walls and ceilings.

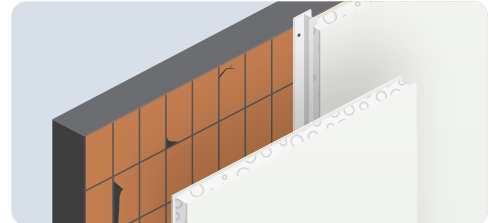


Installation

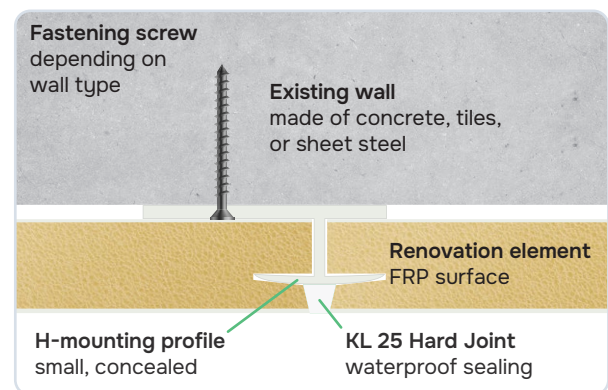
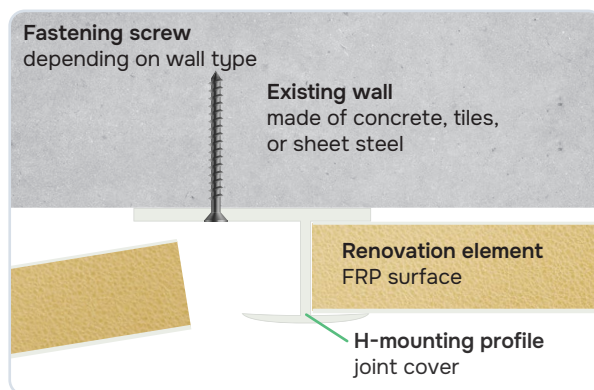
EasyClean-Pan® Renovation Elements

EasyClean-Pan® Renovation Elements offer maximum flexibility. For the slim elements, our H-mounting rails ensure secure and precise installation: firmly screwed to the substrate, they accommodate the sandwich elements with a precise fit and ensure a stable, clean installation.

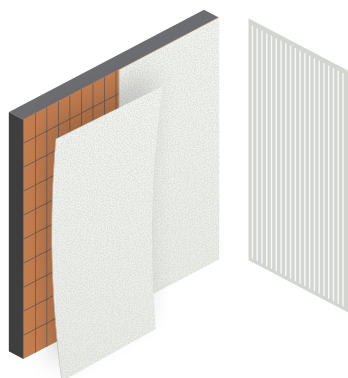
In contrast to direct FRP bonding, installation is carried out using a mechanical profile system. This largely eliminates the need for extensive substrate preparation, while the mechanical fixing ensures maximum reliability without the risk of detachment or surface blistering. The system is ideally suited for ceiling installation and ensures a high-quality, secure finish.



Cross-sectional installation detail



EasyClean-Direct



The FRP panels are bonded directly to the substrate using our **Ad-Maxx 2.0** adhesive, which requires the surface to be smoothed and, depending on its condition, pretreated.



Thanks to our in-house developed specialized tools, adhesive application and installation of the FRP panels are carried out quickly and efficiently.



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Visit us online to find more details about our products and download all relevant data sheets:

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