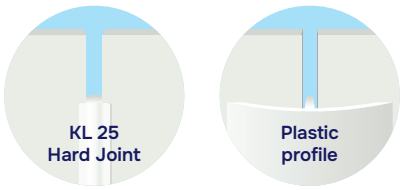
EasyClean-Pan® Insulation Elements

The proven original

- Hygienic wall and ceiling system for the most stringent requirements in the food industry and cleanrooms
- Self-supporting sandwich panels with FRP facing layers
- Corrosion-resistant, food-safe, chemical-resistant and easy to clean
- Virtually seamless installation using KL 25 Hard Joint, together with hygienic corner and connection solutions



Plastic profile as a simple alternative for less demanding environments

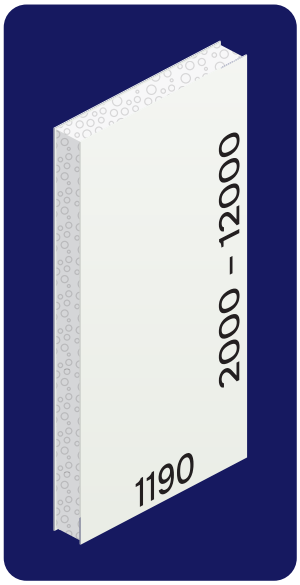
Dimensions

Width
1,190 mm

Length
2,000 to 12,000 mm

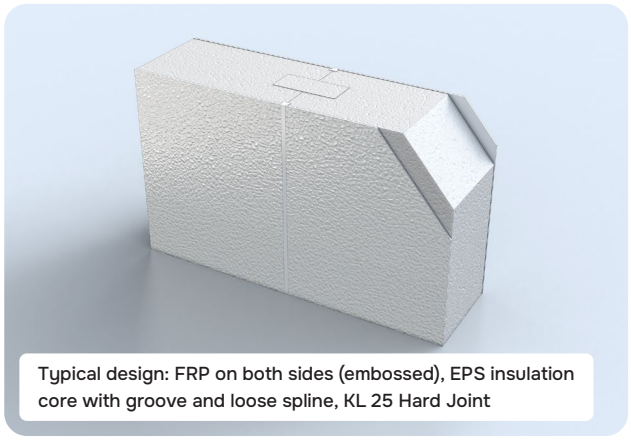
Thickness
60 to 300 mm

EPS 60 to 300 mm
PIR 60 to 200 mm
MW 60 to 160 mm
(in 20 mm increments)



Overlengths, short lengths and special dimensions are also available on request. Manufacturing tolerances based on **DIN EN 14509**.

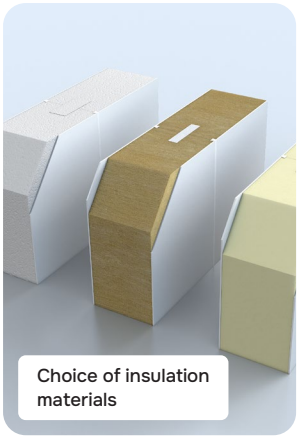
Illustrations



Typical design: FRP on both sides (embossed), EPS insulation core with groove and loose spline, KL 25 Hard Joint

SAMPLE SEGMENTS

Sheet-steel reverse side and crown profile



Choice of insulation materials

Typical panel with EPS and groove machining in standard dimensions

Trittauer Str. 3 | 19205 Gadebusch | Germany | Phone +49 3886 21120
Technical specifications subject to change | Edition 08/26

Material options

FACING LAYER A

FRP

GlasPro®


Embossed


Smooth

Thickness: 2 mm
1.5 mm

Traffic White RAL **9016**

Coating:
Gelcoat, film, none

View side

Options:

HACCP+


AntiBac

Additional: Flame-retardant FRP
Class B-s2, d0 (EN 13501-1)

INSULATION CORE


Rigid EPS foam
in accordance with DIN EN 13163


Rigid PIR foam
in accordance with DIN EN 13165


Mineral wool
in accordance with DIN EN 13162

Non-combustible

All core insulation materials are free of HBCD and CFC/HCFC!

FACING LAYER B

Same as facing layer A OR ...

Installation side


Only recommended for concealed areas

FRP
1 mm thick
Reverse-side material with low visual requirements

Sheet steel
galvanised (Z275)
0.5 mm thick
lined / smooth
colour-coated
polyester 25 µm
RAL **9002**


Only recommended for walls

Aluminium foil
0.08 mm thick
coarse-grain
embossed, white

Full details of our facing layers are available in:

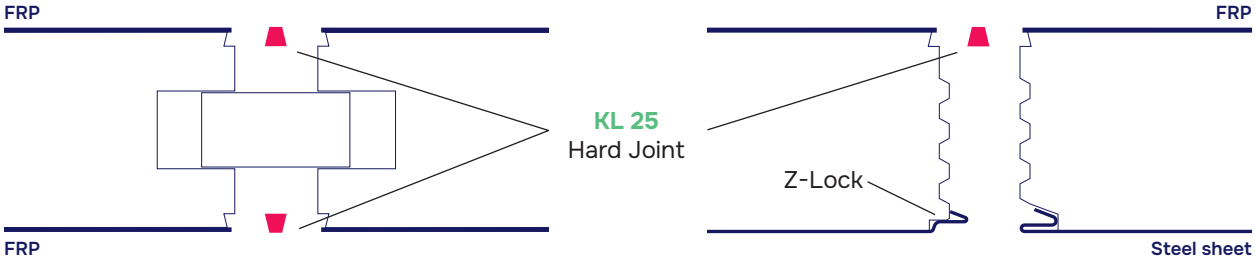
ECP DB GlasPro
Available at **www.ecp-gfk.de/en/downloads**

Reaction to fire
Normal flammability

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

Panel connections

Depending on panel thickness, facing layers and required stability, either a groove with loose spline or a crown profile is used to create a stable connection between two panels.



Loose tongue and groove | **Crown profile**

Thermal insulation performance

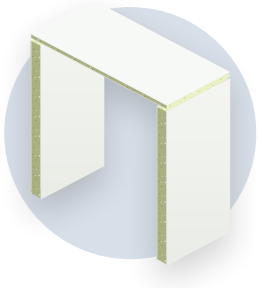
The following measured thermal-conductivity values λB in accordance with DIN 4108-4 are to be used in the formulas and produce the insulation values shown in the table:

- **EPS** λB=0.040 W/(m·K)
  λB=0.035 W/(m·K)
- **PIR** λB=0.027 W/(m·K)
- **MW** λB=0.048 W/(m·K)

Insulation-core thickness [mm]	U-value [W/(m²·K)]			
	EPS 040	EPS 035	PIR 027	MW 048
60	0.667	0.583	0.483	0.800
80	0.500	0.438	0.338	0.600
100	0.400	0.350	0.270	0.480
120	0.333	0.292	0.225	0.400
140	0.286	0.250	0.186	0.343
160	0.250	0.219	0.163	0.300
180	0.222	0.194	0.144	-
200	0.200	0.175	0.130	-
220	0.182	0.159	-	-
240	0.167	0.146	-	-
260	0.154	0.137	-	-
280	0.143	0.125	-	-
300	0.133	0.117	-	-

Installation instructions

EasyClean-Pan® insulated panels can be installed in front of existing wall structures or positioned as self-supporting structures within the room. Depending on the condition of the existing structure, the panels are secured to the floor.



Legal notice

© ECP Gesellschaft für GFK-Systemlösungen mbH | ecp-gfk.de
Trittauer Str. 3 | 19205 Gadebusch | Germany | Phone +49 3886 21120
Technical specifications subject to change | Edition 08/26