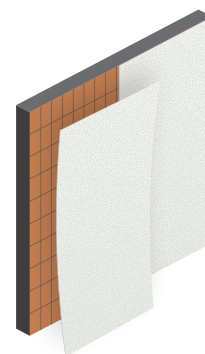




EasyClean-Direct

Installation Instructions

- Wall cladding system made of fiber reinforced plastic sheets (FRP)
- For on-site bonding to stable substrates such as sheet steel, tiles, or concrete
- Joint-sealed surface for high hygiene requirements
- Easy to clean and mechanically durable
- Resistant to numerous chemicals and physiologically harmless
- Ideal for hygiene-sensitive application areas



All details on chemical compatibility in the document:



ECP Chemical Resistance

Available at www.ecp-gfk.de/en/downloads



System Components

• FRP Sheets

- Thickness: 2 or 3 mm

Surface finishes:

glatt oder strukturiert



• KL 25 hard joint

Hard-flexible sealing of the panel joints creates a homogeneous surface coating.

• ECP Ad-Maxx 2.0 FRP surface adhesive

Application of the adhesive using the **E-Press Ad-Maxx 1800** adhesive gun for fast application and economical consumption.



Selection Guide – FRP and Joint Variant

Thickness

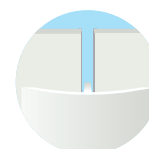
- **2mm:** For normally stressed areas
- **3mm:** For areas with increased impact exposure

Surface Finish

- **Smooth:** Ideal for areas with the highest requirements for cleanability and visual perfection.
- **Textured:** More resistant to mechanical stress and visually more tolerant of minor signs of wear.

Joint Type

- **Recommended: KL 25 hard joint**
After curing, it forms a hard, hygienic, perfectly sealed, and durable unit together with the FRP sheets.
- **Cost-effective alternative:**
Joint with H-profile
However, this design can allow dirt and mould accumulation and must be regularly renewed as a “maintenance joint”.





EasyClean-Direct Installation Instructions

1. Proper Preparation

Ideal Processing Conditions

For optimal processing conditions, normal room temperature and humidity are important:



15 °–35 °C (max!)
< 5 °C no processing possible



40–70 % relative humidity



Before installation, the FRP sheets should be stored in the installation room for at least 24 hours, ideally 2 days, so the material can adapt to the room temperature. During storage and installation, the sheets should always be at least 15 °C warm.

A clean substrate

- Suitable substrate (type and condition are critical)
- Bonding surfaces must be dry, dust-free, and grease-free
- Preliminary tests are required to verify reliable adhesion

Optimal Adhesion Through Proper Substrate Preparation

- **Condition:** The substrate must be clean, level, and load-bearing
- **Cleaning:** Thoroughly vacuum dust and loose residues; if necessary, clean with solvent-based cleaners
- **Pretreatment:** Sanding or priming improves adhesion on mineral substrates (e.g. concrete, masonry); tiles should be sanded and pretreated
- **Adhesion test:** Check and document the load-bearing capacity and suitability of the substrate for bonding; if in doubt, perform a test bonding
- **No adhesion** on polyolefins (e.g. PE, PP)

Substrate	Cause	Measure
Multiple painted/ coated surfaces	Paint layers may detach and compromise adhesion	Completely remove paint layers
Special dirt- and water-repellent coatings	Adhesive performance may be significantly reduced	Pretreat surface or remove coating
Heavily damaged or contaminated surfaces	Adhesion cannot be guaranteed	Repair/smooth damaged areas and completely remove contamination
Precast concrete / cast concrete surfaces	Release agents or form oils may impair adhesion	Surface must be pretreated
Highly absorbent substrates (e.g. aerated concrete)	Rapid moisture absorption may impair adhesion	Surface must be pretreated





EasyClean-Direct Installation Instructions

2. Preparation for Joint Application

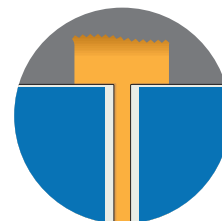
- Check panel edges for protruding glass fibres or foil residues.

Caution: Risk of injury!

Carefully inspect and smooth before jointing using a sanding block or sharp blade. Uneven cut edges may create sharp protrusions in the finished surface and negatively affect the smoothness of the joint.



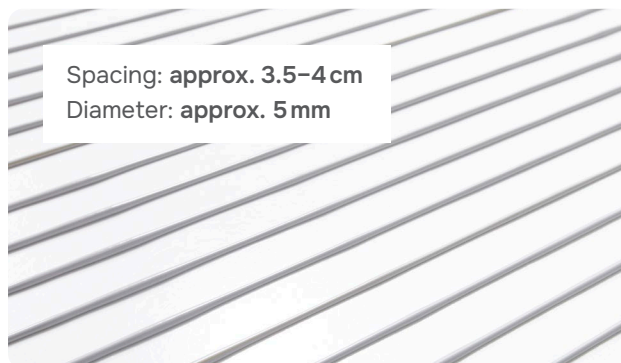
- Before installing the FRP sheets, apply a separating layer to the substrate in the joint area (e.g. narrow masking tape) to prevent three-sided adhesion.



3. Adhesive Application and Installation of the Panels

Adhesive Application

- Always apply adhesive beads in a uniform direction on the back side of the FRP sheets
- This allows air and humidity to reach all bonding points evenly, ensuring homogeneous curing of the adhesive
- For non-absorbent materials (material moisture <8%), lightly mist the adhesive with water



Consumption: 500–700 ml/m²

Installation of the FRP Sheets

- Press the sheets with applied adhesive evenly against the substrate
- Maintain a joint width of **4–6 mm** between adjacent sheets



For precise joint width use glazing blocks or spacers.





EasyClean-Direct Installation Instructions

Securing Installation and Preparing for Jointing

- ✓ Mechanically secure panels if necessary
- ✓ Immediately wipe off adhesive residues
- ✓ Keep joints free of adhesive (important for jointing)
- ✓ In case of adhesive residues: mechanical reworking required (new cut edge)

Adhesive Curing



Load-bearing:
after approx. 24 hours



To ensure complete curing of the adhesive, jointing may only be carried out at least 24 hours after bonding.

4. Notes on Jointing

KL 25 hard joint

Apply masking tape approx. 2 mm from the panel edge to catch excess joint compound.
Remove the masking tape immediately after smoothing the joint.

All details about our surface layers in the document:



[ECP KL 25 Hard Joint Application Instructions](#)

Available at www.ecp-gfk.de/en/downloads



Processing temperature



Recommended:
18°–23 °C

Processing time



Smoothable: for approx. 6 min (at 24 °C)
Firm and tack-free: after 5 hours (at 24 °C)

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