



## **Exolon® Click Panel Solutions**

### Installation Guideline



## Exolon® Group

### **Passionate about plastic sheets –**

Exolon Group is a leading supplier of solid and multiwall sheets for various innovative applications. The company develops, produces and distributes polycarbonate sheets, polyester sheets and opaque sheet material made of high-quality plastic. Going beyond the obvious is our daily business, whether it is about the development of our products or the personal service we provide to our customers, to realize their needs. We are an inspiring partner with a human touch, that is putting our clients in the lead by listening, understanding, providing solutions and better experiences. We show what is and what is possible. And we make it happen.

### **New name with 40 years of experience**

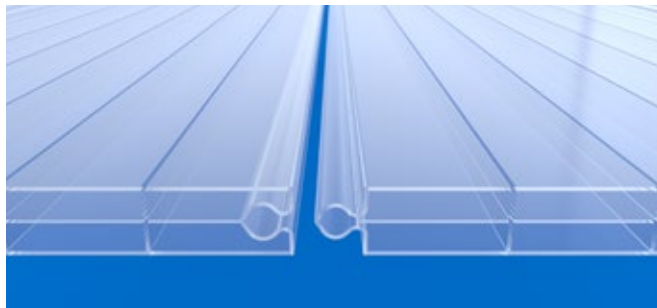
Even though the name is still young, Exolon Group has over 40 years of combined expertise in the extrusion of thermoplastic sheets. Exolon Group combines proven tradition with forward-looking innovations. Since 2020, the company has been part of the Serafin Group based in Munich.

### **Strong, clear, flexible.**

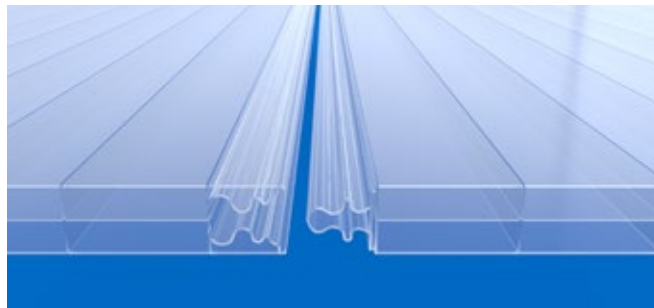
The diverse European market demands flexibility and innovative spirit. In order to maintain its leading role, Exolon Group is therefore constantly driving new developments and conquering new business areas – close to the market and close to the customer. We are strong and confident about our skills, expertise and experience. clear and straightforward in the way we behave and speak and flexible in our mindset. Including the selection and compilation of suitable raw materials, the ongoing optimization of production processes, the continuous training of employees and the promotion of innovative technologies.

# Overview Exolon® Click Panels

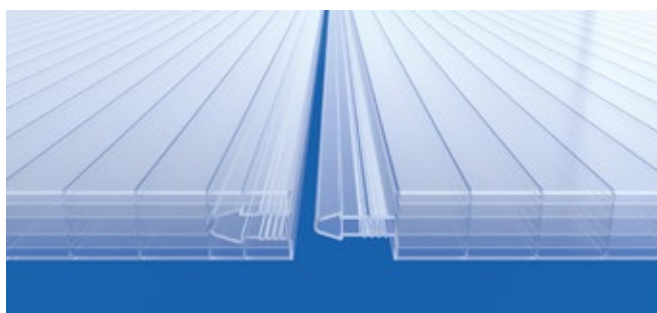
## Exolon® Click Panel 20 and 25



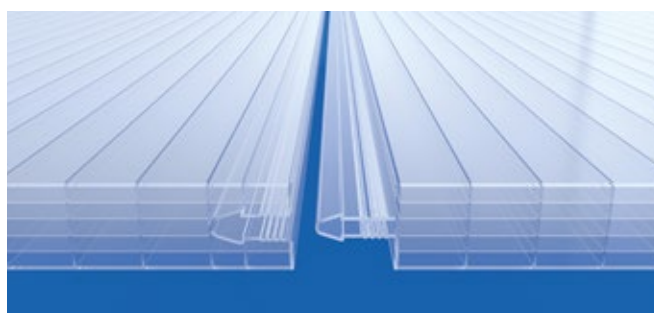
Exolon® PANEL 20 LIGHT



Exolon® PANEL 20 PLUS

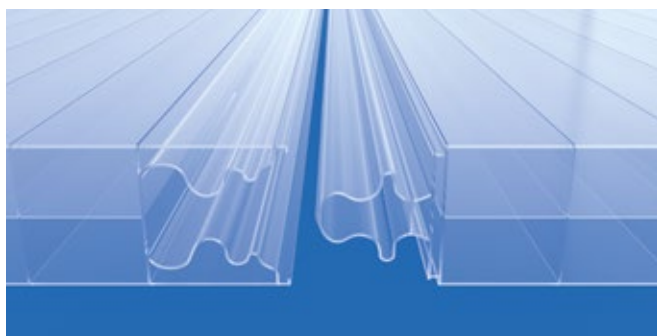


Exolon® PANEL 20 PLUS 6P

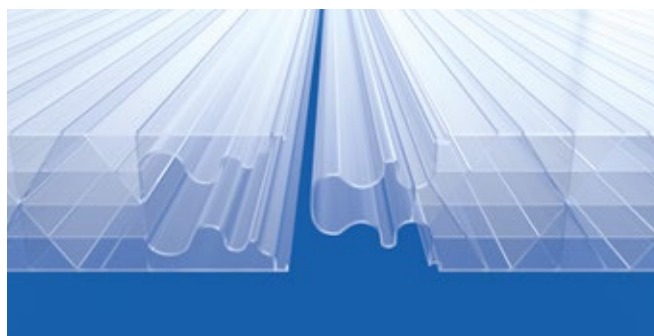


Exolon® PANEL 25 PLUS 6P

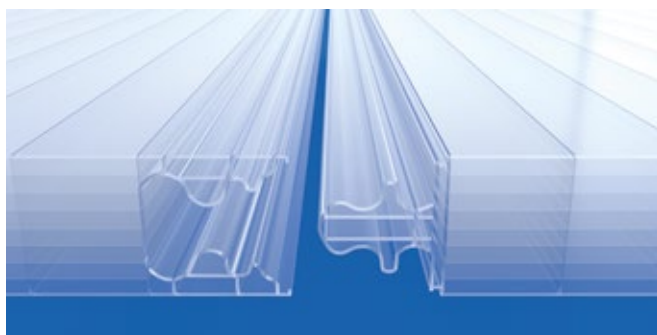
## Exolon® Click Panel 40



Exolon® PANEL 40 3P

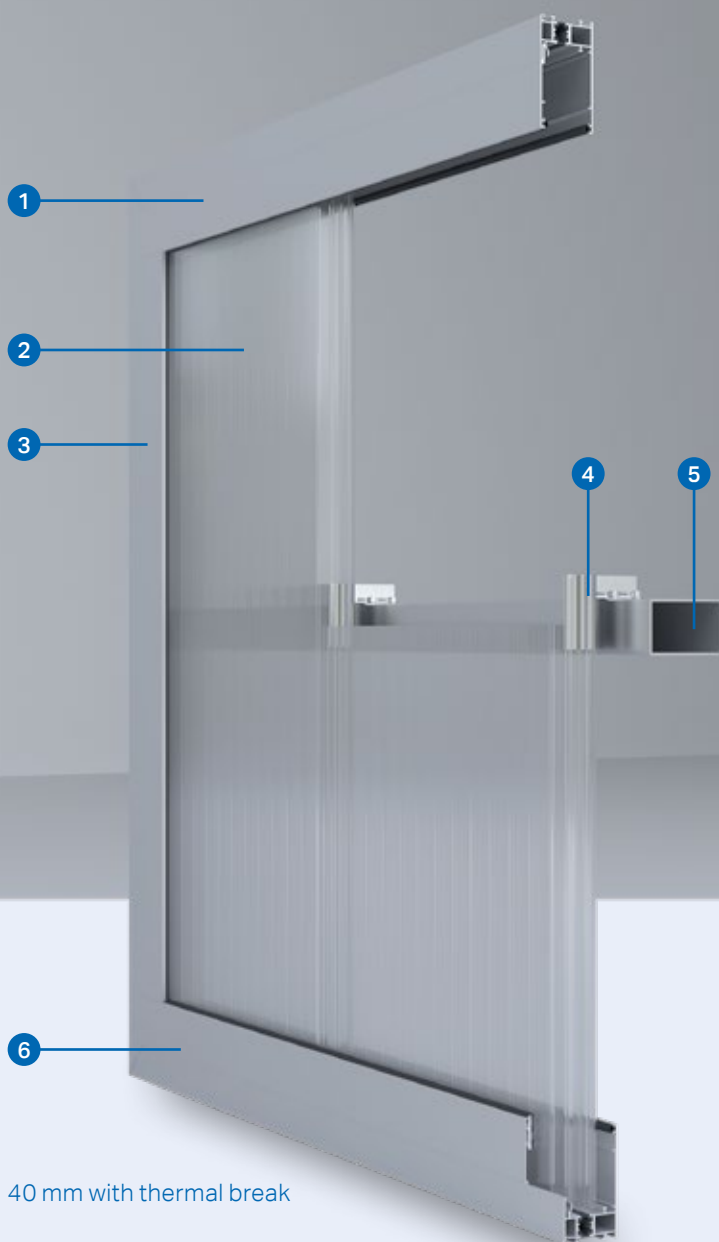


Exolon® PANEL 40 5PX



Exolon® PANEL 40 9P

# Installation Overview



## Overview

- ① Top frame profile
- ② Translucent building element
- ③ Side frame profile
- ④ Fastener for multi-field constructions
- ⑤ Substructure for multi-field constructions by others
- ⑥ Base profile with drainage holes



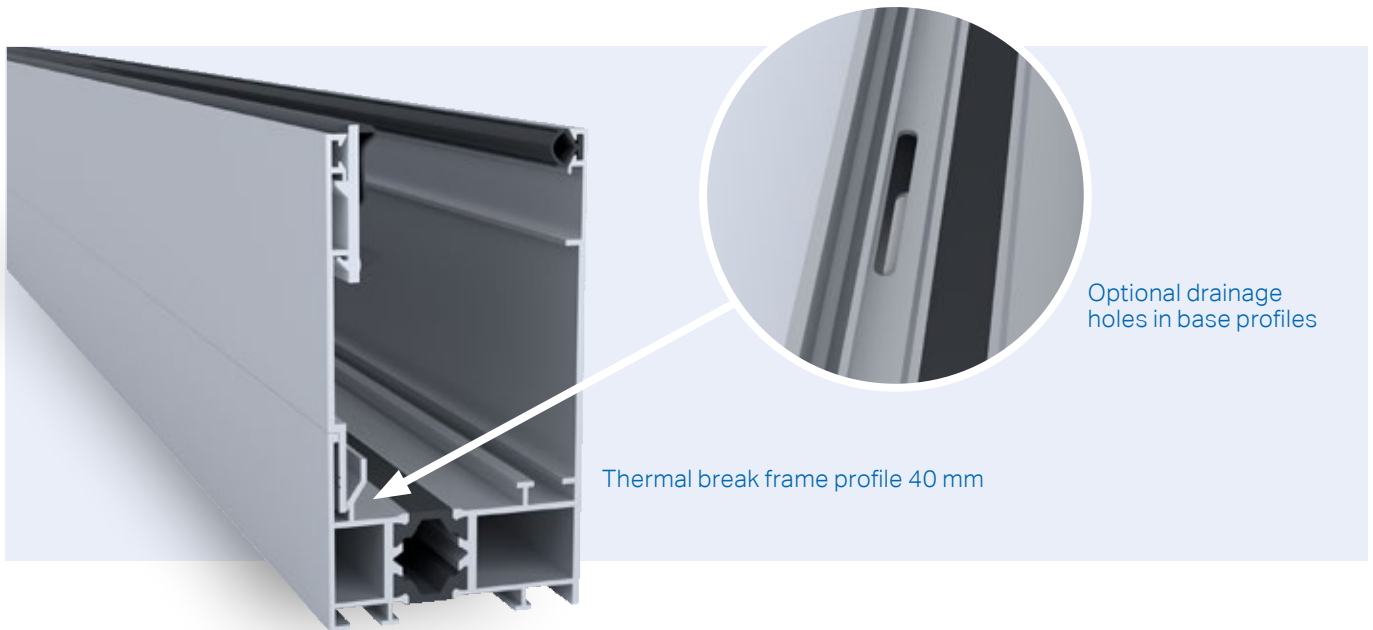
40 mm cold profile



20/25 mm cold profile  
For 25 mm the rear gasket must be removed.



## Aluminium Frame Profiles



### Before starting installation

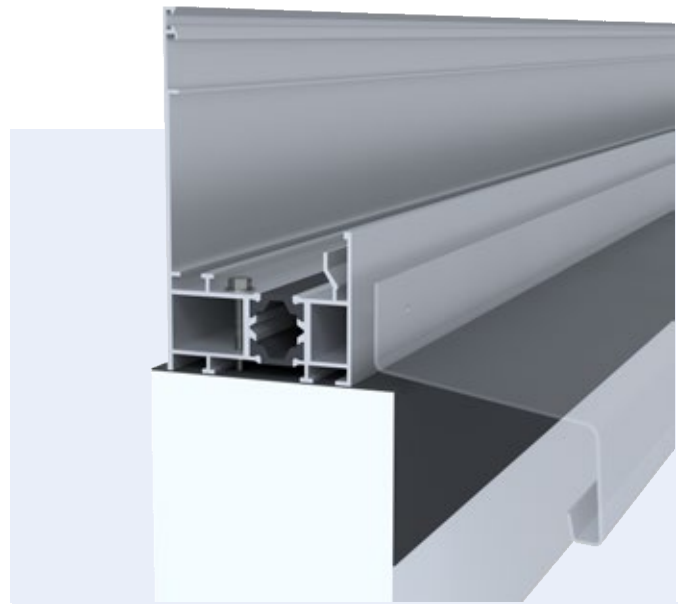
**Please follow the mentioned instructions before starting the installation:**

- Check delivered accessories and read our general installation instructions!
- Check the substructure for line and level before the installation of the panels.
- Check the dimensions of the profiles before the installation. If needed they can be trimmed by the installer.
- On request it is possible to have base profiles with drainage holes.

## Installation of Aluminium Frame Profiles

- Aluminum frame profiles shall be fixed to an appropriate continuous substructure.
- For fixing the profiles to the substructure we suggest using proper screws, the screw holes must be pre-drilled with a diameter of 20% more than the screw diameter in order to ensure the proper thermal dilatation of the aluminum profiles.
- We suggest fixing each screw every 400 mm.
- A window sill\*\* (not provide by Exolon Group) can be fixed to the aluminum profile with window sill screws.

\*\* sealants are not part of the accessories and must be specified on site.



40 mm thermal break profile with metal flashing (not provided by Exolon Group) for rain drainage

40 mm cold profile – cantilever mounting

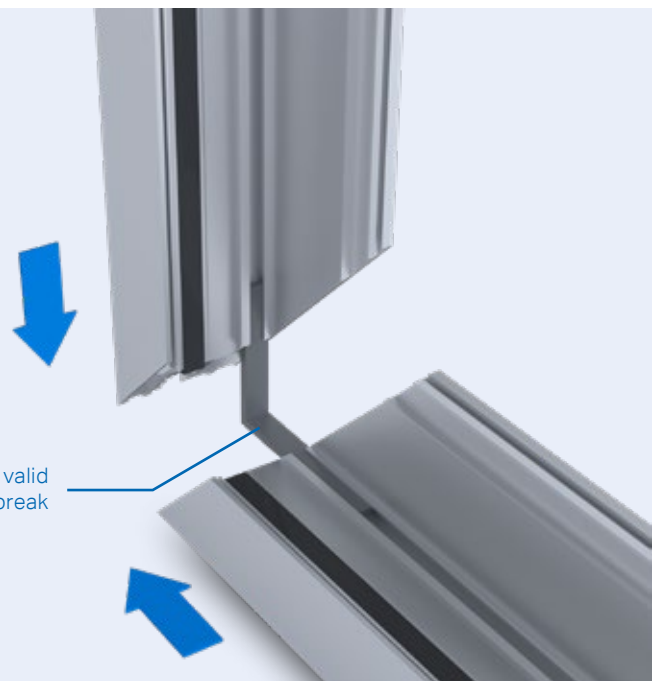


20/25 mm cold profile – cantilever mounting



## Corner Connections

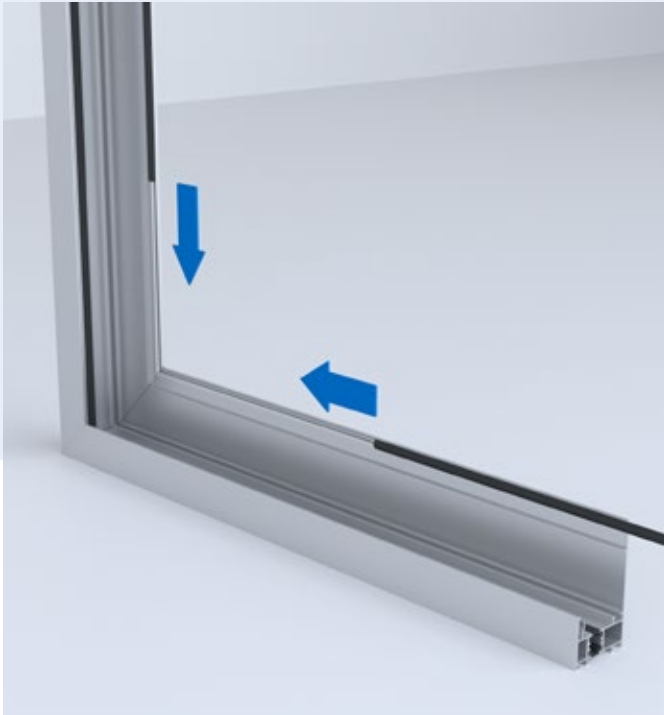
- Corner profiles can be cut on site or ordered as prefabricated sections. Drainage holes in prefabricated parts must be drilled on site.
- We suggest drilling several drainage holes with a min. diameter of 3 mm in the base profile.



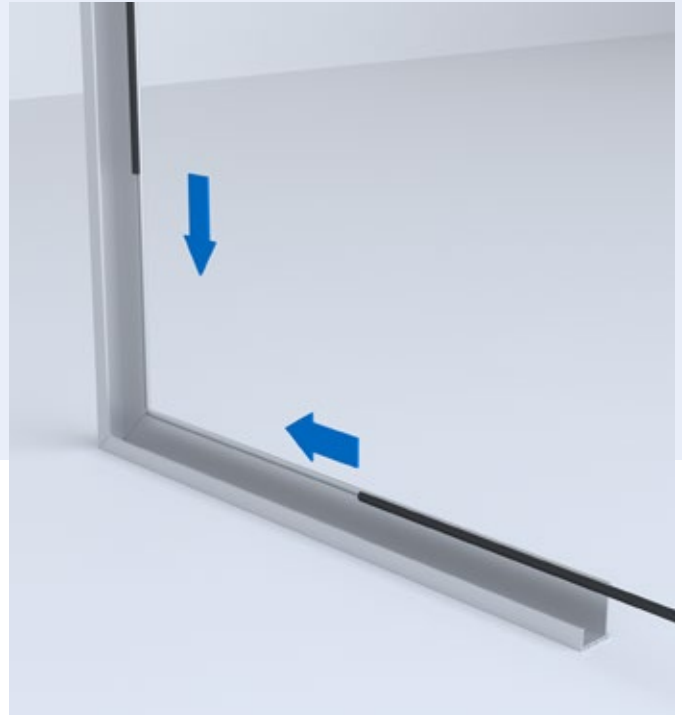
Installation of corner profile – valid for 40 mm thermal break

## Rear Gasket

- Before glazing, the rear gasket must be fitted by sliding the gasket into the inner rear channel of the aluminum frame profile.



Rear gasket installation 40 mm thermal break



Rear gasket installation cold profiles

## Cutting

### Please consider:

- Keep the protective masking on the panel while handling them to avoid scratches or dirt.
- Exolon® Panels can be cut to length if not ordered cut to size. They can be machined with standard tools such as jigsaws or circular saws with fine-toothed saw blades.
- Dust and dirt particles can be removed with water-free compressed air or mild soap and a sponge.

Use fine-toothed saw blades to machine the panel



Application of permanent tape before the installation to minimize dirt and dust inside the chambers



## Taping

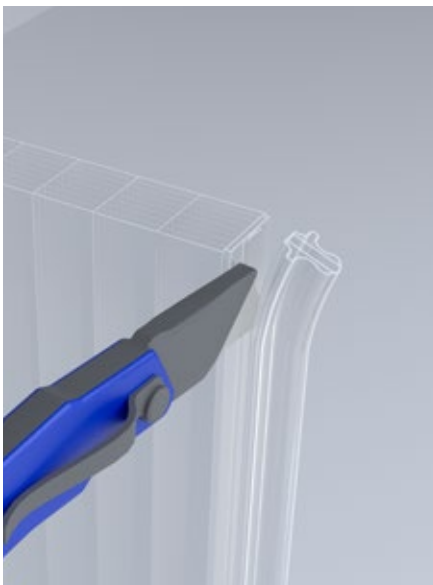
### Please consider:

- To minimize dirt or dust in the panel chambers we recommend to use adhesive tapes to seal the panel ends.
- Before applying the tape, peel off the masking film from the panel ends.
- Use Anti-dust tape for the upper end.
- Use breathable Tape for the lower end.
- Depending on the application environment please consider the instructions of the tape manufacturer.
- When inserting the panels into the frame, please try not to damage the sealing tape.

## Glazing

### Please check the following:

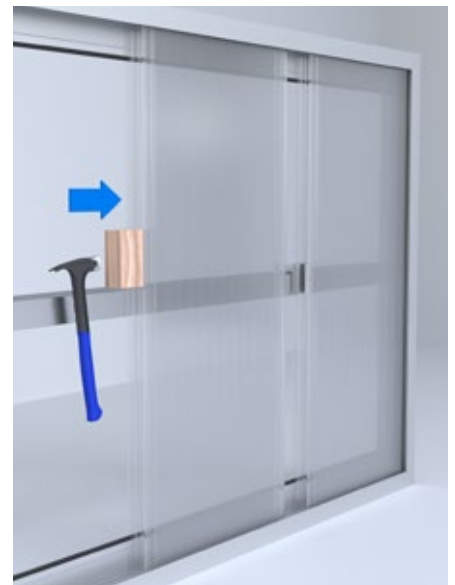
- The tongue of the start/end panel needs to be removed (pic 1).
- Place panels in an angle into the head profile and push it into the side frame profile (pic 2).
- Proceed the same way with the following panels.
- Use a hammer and a soft wood to join the panels.
- The hooks need to be positioned correctly inside the notches to make sure they fit exactly in the groove of the panels.



Pic 1: Remove tongue of the panel



Pic 2: place in angle into head profile

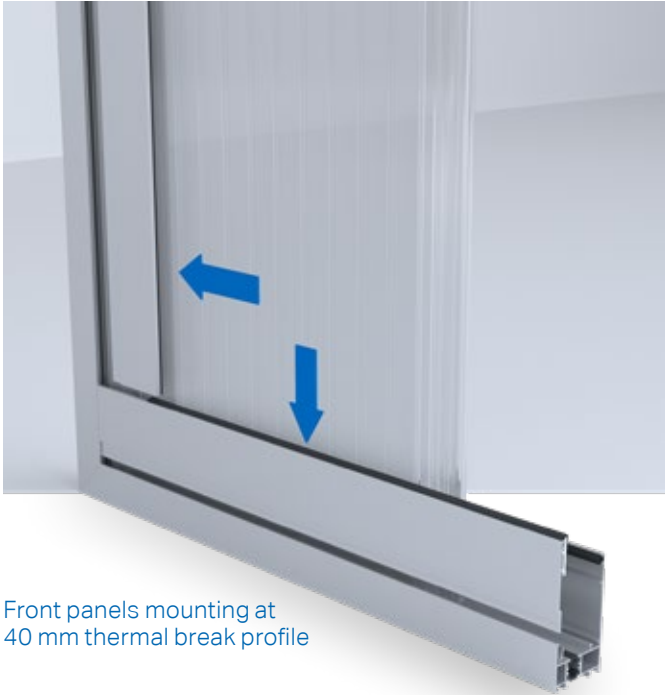


Pic 3: join panels



## Front Plates

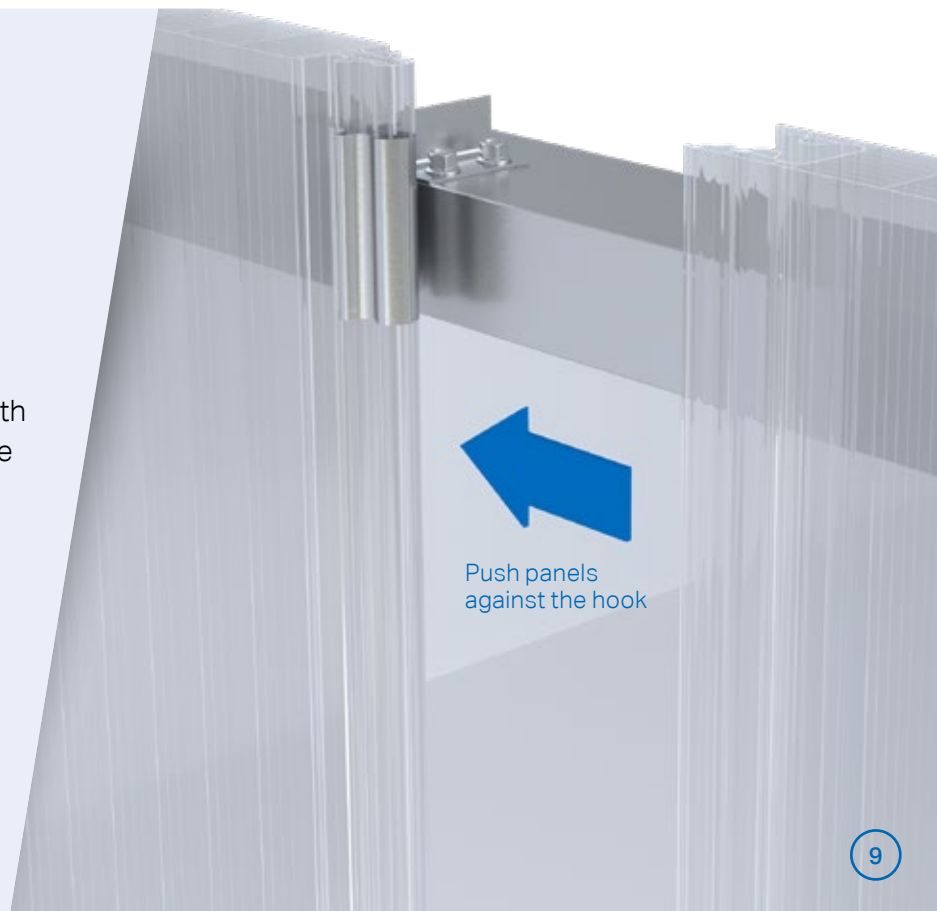
- After mounting the panels, the front panels are mounted by sliding them into the groove provided for this purpose in the frame profile until they are fully locked in place.
- Use a hammer and a soft wood block not to damage the finish.



## Hook

### If a hook is required:

- It must be positioned at the horizontal substructure and must be pushed against the panel.
- Screw the hooks to the substructure with at least 2 screws. Please ensure that the entire surface of the hooks sits fully on the substructure.
- Use screws with a head height of max. 5 mm and without a washer.



## External Gasket

- Remove the masking film of the panels.
- Install the external gasket on the front plate immediately.
- The gasket is pushed upwards and secures the front panel by tension on the panel surface.
- Use a wooden wedge to ensure that the gasket fully engages.



40 mm thermal break profile: Gasket installation



Cold profile: Gasket installation

## Notes



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