

To ensure a smooth installation of G-FIX 03, the following points must be considered during preparation and assembly:

1. The use of an external seal that can accommodate glass tolerances of ± 1.2 mm is a prerequisite for a functioning overall system. G-FIX 03 can generate the necessary pressure on the glass pane to ensure long-term sealing of the glazing. However, the external seal must also accommodate the glass tolerances. Silicone foam seals from Helmut Goll GmbH are suitable for this purpose.
Caution: If sealing profiles are used that cannot absorb the glass tolerances and contact pressure, glass breakage may occur during installation.
2. The position and dimensions of the guide groove (4/4 mm) must be executed correctly.
3. During installation – particularly of heavy glass panes – glazing blocks must be used, allowing the glass pane to move sufficiently easily towards the outer shell when screwing the G-FIX 03 into place. To optimise the sliding of the glass pane on the glazing blocks, the glass edges should be chamfered. If necessary, use a glazing hovel to assist.
Caution: If the glass pane lacks sufficient sliding ability, glass breakage may occur during installation.
4. For securing the G-FIX 03, it is best to use a drill with torque control to maintain uniform screwing force and avoid excessive tightening. Use 3.5 mm chipboard screws to fasten the G-FIX 03.
5. Before fastening, the glass pane must be positioned at the bottom of the external seal. For positioning heavy glass panes, a glazing hovel may be used.
The G-FIX 03 should then fit easily into the guide groove. If this is not the case, the glass pane is not correctly positioned, or the guide groove dimensions deviate from the required measurements. Installation must only begin once the G-FIX 03 can be easily inserted into the guide groove.
6. The first G-FIX 03 is fixed centrally at the top of the window element. This secures the glass pane and prevents it from falling out of the frame.
7. The next G-FIX 03 is installed centrally at the bottom. Then, additional G-FIX 03 units are attached alternately to the left and right at intervals of approximately 20 cm, starting from the centre. The glass pane will move approximately 1.5 mm towards the external seal, ensuring the necessary contact pressure. Particularly with heavy glass panes, this process must be carried out carefully, as the entire weight of the glass pane rests at the bottom, causing the highest frictional resistance between the glass pane and the glazing blocks. The better the glass pane can glide on the glazing blocks, the easier the installation will be.
8. Further G-FIX 03 units are now installed on the sides and top, always working from the centre towards the frame corners.
9. At the corners, a minimum distance of 8 cm must be maintained for the first G-FIX 03 if an E-FIX 03 corner bracket is to be used.

Important note:

To achieve optimal building physics properties of the glazing, a glazing bead seal can be used – e.g., the AF2916 sealing profile from Helmut Goll GmbH.

Another option is to fill the gap between the glass pane and the wooden frame. The filling material should preferably be applied on the room-facing side. If this sealing method is chosen, the first G-FIX 03 is installed centrally at the top as previously described. The filling can then be easily inserted before installing all further G-FIX 03 units.