



### GENERAL

The parallel sliding door manufactured by AS Fenestra allows for efficient use of the entire external wall surface, ensuring the best view through the glass surfaces and allowing for very convenient access to the terrace. This guide is based on the Estonian Construction Centre's RT 41-10947 (Wood and wood-aluminium windows and their installation) guideline, and the requirements of good building practices. We would like to draw your attention to the fact that the installation of a parallel sliding door requires sufficient experience in the installation of doors and the availability of the right materials and tools; therefore, we recommend ordering the Easy Flow product measurement and installation service from AS Fenestra's authorised installers. We are also ready to offer consultation and the best installation solutions, taking into account the construction features of your project.

### GENERAL RULES

When preparing for the design and installation of a parallel sliding door, please follow these basic rules:

- Installation work can only begin if the work front meets the requirements. Basic requirement for the levelness of the substructure – deviation from the horizontal may not exceed 0.5 mm/2 m. In this case, it is possible to install the sliding door directly on the base without the need for additional levelling wedges. The load-bearing capacity of the base must also be at least 10 kN/m<sup>2</sup>.
- The width of the assembly joints must be between 15 and 20 mm, which allows for the installation joint located between the jamb and the boundary structure to be sealed without difficulty.
- A parallel sliding door may not be used as the base for a heavy window or door, i.e. no other opening may be installed on top of the door with a total weight exceeding 200 kg.
- It is important that the surface of the door be covered during finishing works later in the construction process, using special window covering tapes and other covering materials to do so.

### INSTALLATION

#### 1. Removing the sliding frame

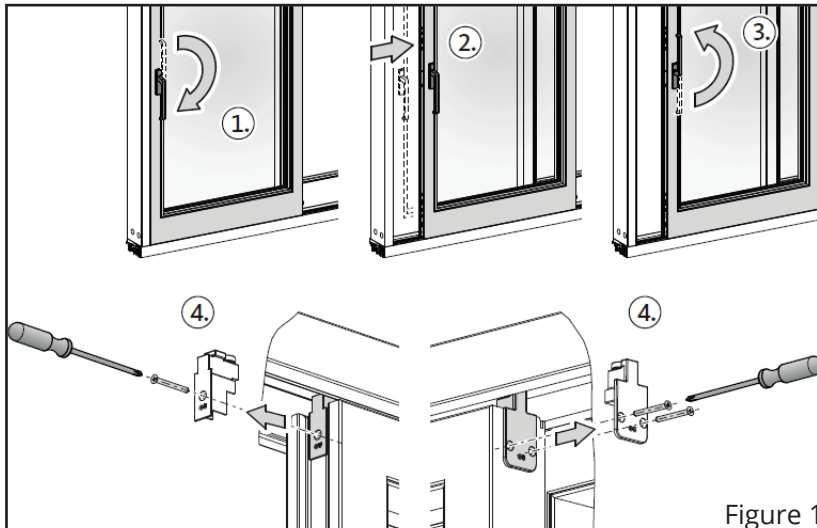


Figure 1

1. Turn the handle to the sliding position.
2. Open the sliding frame to about a quarter of the width of the opening.
3. Turn the handle to the closed position.
4. Unscrew the screws from the top guide. Slide the upper guides out of the sliding frame

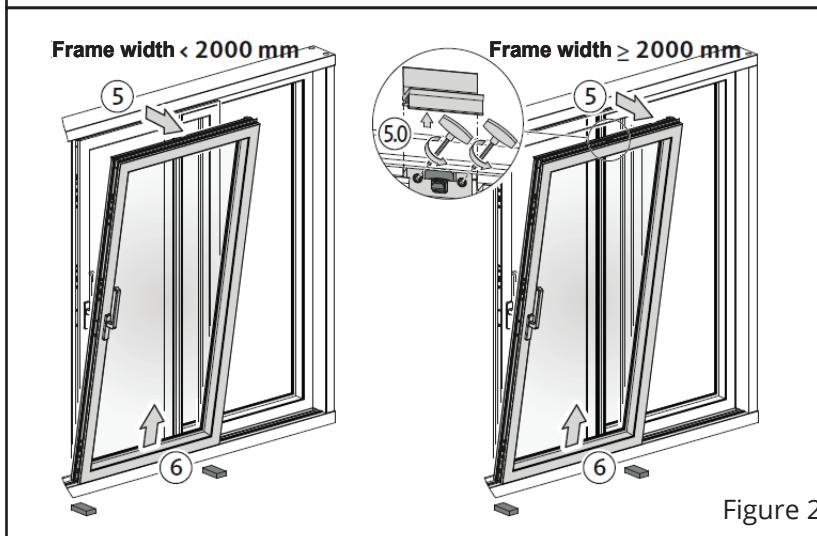


Figure 2

5. Sliding frames with centre support (frame width over 2,000mm), remove the sealing gasket and open the central fixing screws. Tilt the frame inwards.
6. Lift the frame out of the jamb.

For temporary storage, the frame must be properly supported against the wall surface and a soft material must be used between the wall/floor and the frame so as not to damage the wood elements of the frame.

### 2. Attaching jamb to wall

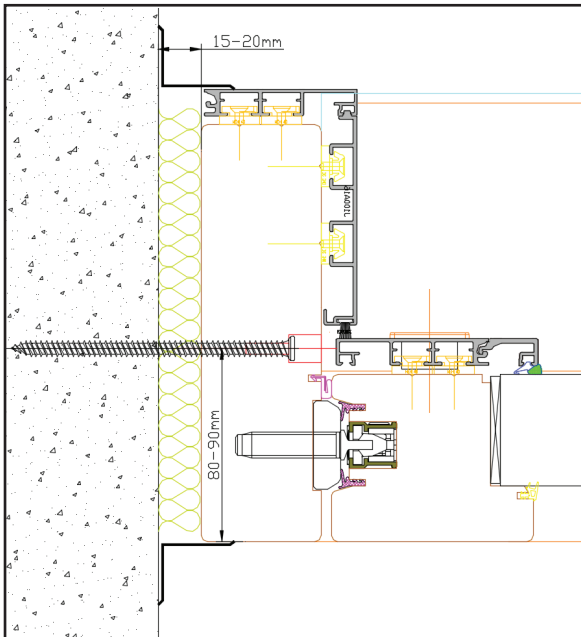


Figure 3

Depending on the wall construction, drill mounting holes 80–90 mm from the inner edge of the door jamb. The mounting hole must be stepped (preferably 5/13 mm) to allow for the fixing of the jamb by means of a fixing screw and subsequent covering of the hole with a cover cap.

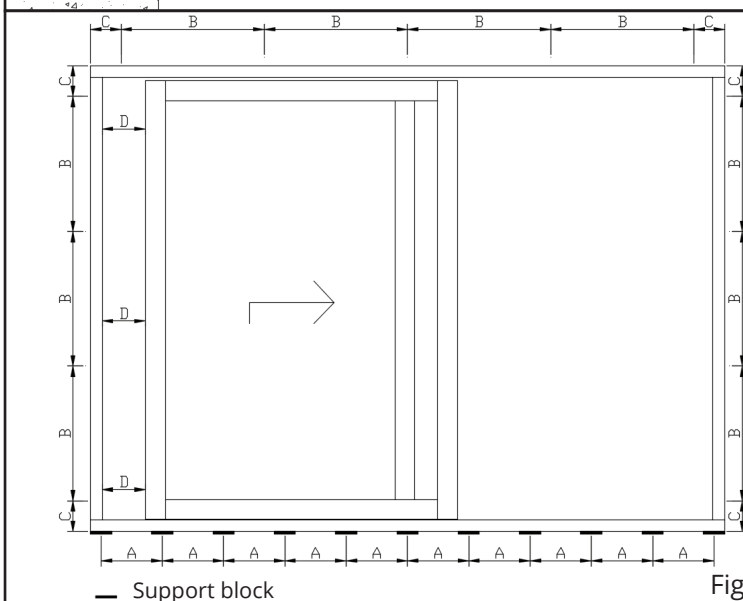


Figure 4

#### Positioning of support blocks and anchorage points:

- positioning of the support blocks with a maximum interval of 300mm
- anchorage points on the sides and top of the jamb with a maximum interval of 800mm
- anchorage points on the outside of the jamb with a maximum interval of 145mm
- jamb and frame must be parallel after being fixed in place. Control measurement.

- If the substructure of the sliding door is not sufficiently level and requires additional levelling with support blocks, the blocks shall be installed under the door sill in a 'chessboard' shape – under the inner and outer edges. Under the inner edge, the blocks shall be installed with the outermost blocks placed directly under the corner and the remaining support blocks at intervals of not more than 300mm. Under the outer edge, the outermost blocks shall be installed at a distance of 150 mm from the corner and the interval between the remaining blocks shall not exceed 300 mm. We recommend the use of special support blocks with good thermal insulation properties for the installation of openings.
- If the substructure of the sliding door is sufficiently flat and does not require additional levelling with support blocks, the bottom of the door sill can be sealed with self-expanding sealant and silicone adhesive. Alternatively, the base of the door sill can be sealed with a special mineral wool strip (e.g. ISOVER SK-C). Support blocks shall also be mounted on the vertical jamb behind the locking points on the lock side of the vertical bracket in the active frame.
- After the temporary placement of the door jamb, the diagonal dimensions of the entire door leaf shall be checked and may not vary by more than +/- 2 mm.

### 3. Installation and regulation of sliding frame

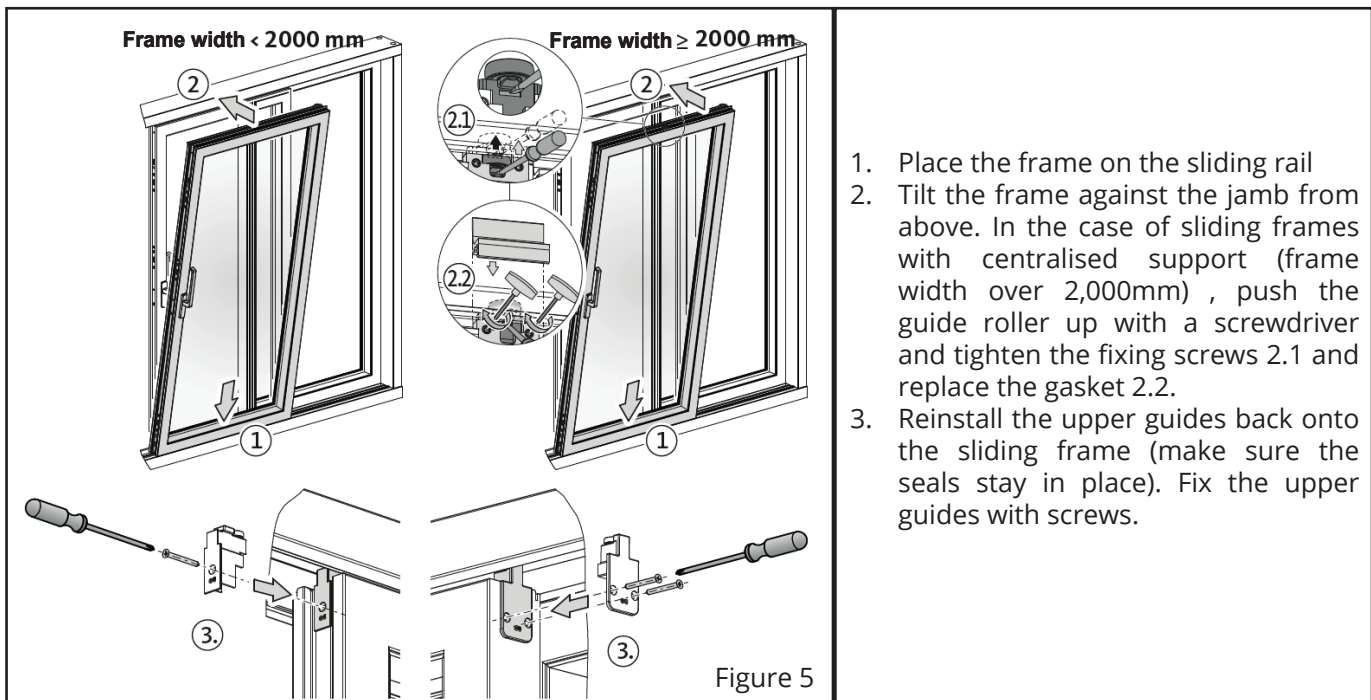


Figure 5

1. Place the frame on the sliding rail
2. Tilt the frame against the jamb from above. In the case of sliding frames with centralised support (frame width over 2,000mm), push the guide roller up with a screwdriver and tighten the fixing screws 2.1 and replace the gasket 2.2.
3. Reinstall the upper guides back onto the sliding frame (make sure the seals stay in place). Fix the upper guides with screws.

- After securing the frame, slide the frame towards the pivot on the lock side and turn the handle to the closed position. Check that the gap between the frame and the jamb is exactly parallel.
- After checking the running clearance, the jamb can be permanently fixed in place with the fasteners through the attachment holes.
- When choosing the fasteners, ensure that they are compatible with the surrounding wall structure. The diameter of the fastener must be at least 6 mm.
- Cover the screw holes with caps after fitting the fixing screws.
- The frame must then undergo a final check of its clearances and closing – the frame must move freely on the rails and the frame must close with sufficient force to ensure a tight seal between the frame and the

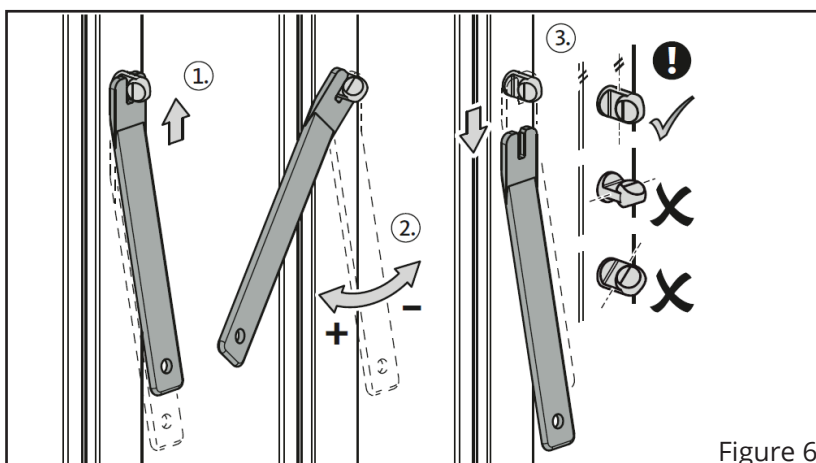


Figure 6

**If necessary, lock striking plates can be tightened:**

1. Place the adjustment key on the striking plate.
2. Turn the adjusting key clockwise to increase the seal pressure.
3. Turn the adjusting key counter-clockwise to reduce the seal pressure.

- After all of the above work has been completed, the installation joint must be sealed with a suitable insulation material (preferably polyurethane foam).
- Depending on the customer's wishes and the design solution, it is also possible to install vapour and wind barrier tape on the sliding doors. They are fixed to the door jamb and wall structure in accordance with the installation instructions provided by the tape manufacturers.
- After the installation work is completed, all door parts, including locks, must be carefully cleaned.