CORTIZO

The Ultimate
EVO Aluminium Sliding Doors

4700
SLIDING

INSTALLATION
GUIDE


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IMPORTANT

The purpose of this guide is to ensure the highest quality standards in the installation of the **4700 Sliding.**

Before starting the process, it is necessary to review all the steps to ensure that there is no loss of performance in the installation process.

The installation must be carried out and supervised by duly trained and qualified professionals.

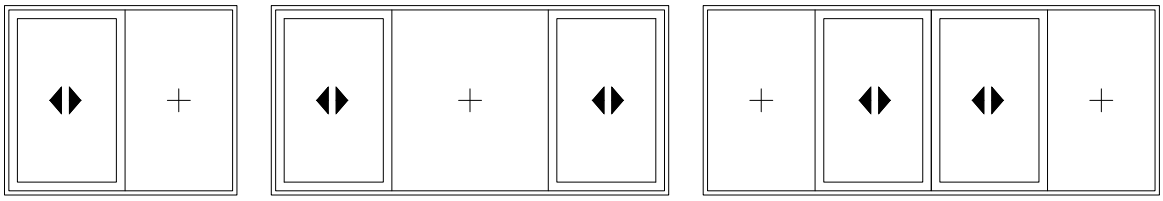
Preparation
Tools:
No special installation tools are requiered.

It is important to ensure good leveling and plumbing of the door, whether it is due to irregularities of the support surface of the frames or if it is due to possible deflections of the structures that will support the weight of the system, in order to be sure the system works correctly and it does not appear anomalies in the rolling of the leaves.

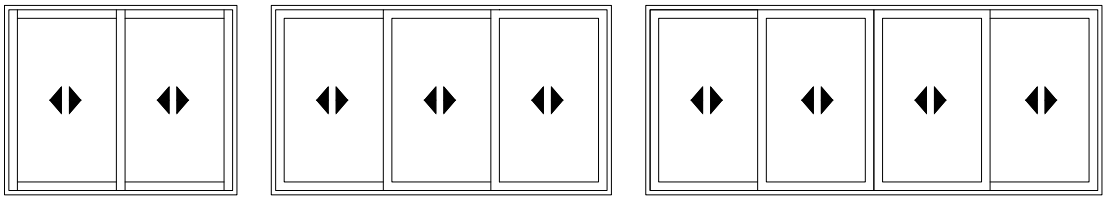
Make sure that the building never transmits loads to the door.

Opening Possibilities

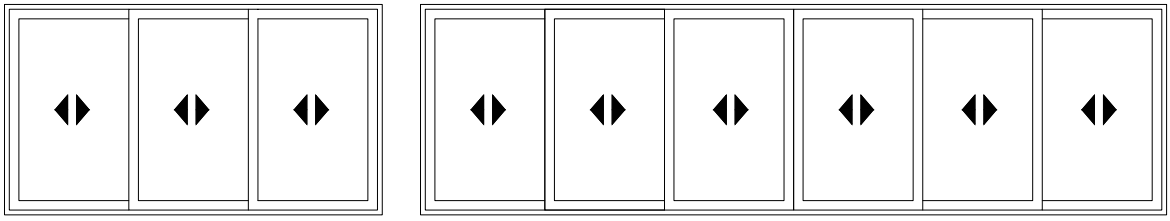
Fixed and sliding opening



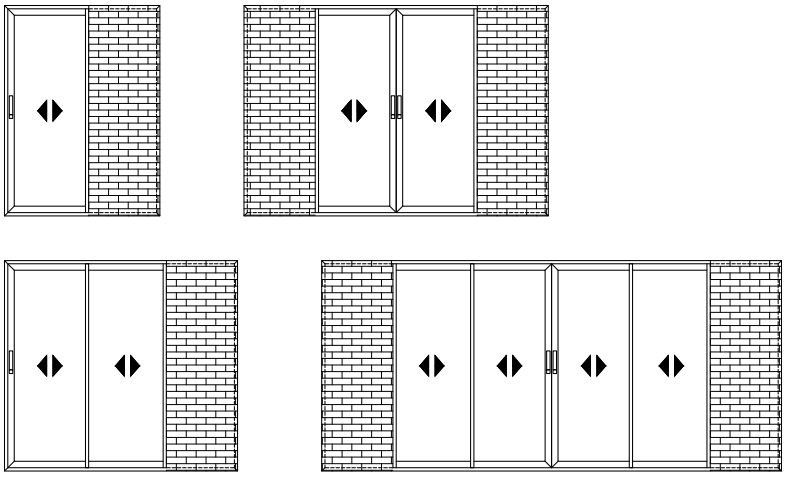
Sliding opening



Three rail frame



Galandage opening



4700 Sliding Technical Data

Standard sliding system with straight aesthetic and a reduced interlock section of 47 mm, ideal for closing large spans without using a lift & slide solution, it combines great thermal and acoustic performance with large glazed surfaces of up to 88%.

Transmittance

$U_w \geq 1,1$ (W/m²K)

Please consult typology, dimensions and glazing

Acoustic insulation

Glazing	Max. 34 mm / Min. 26 mm
Maximun Acoustic insulation	Rw 40 dB

Sightlines

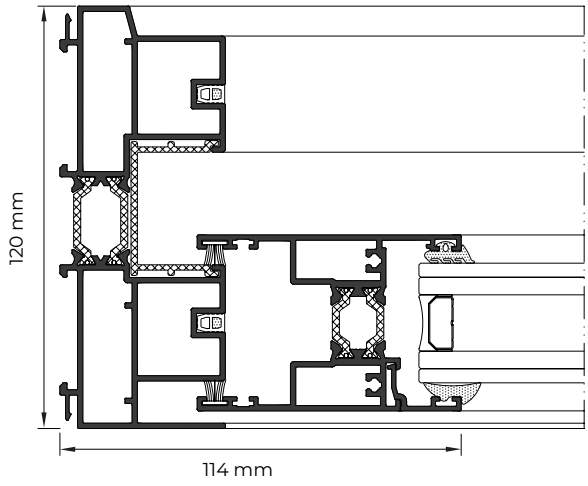
Frame	115 mm / 120 mm 185 mm 3 rails
Sash	50 mm

Profile Thickness

Balcony	1,5 mm

Polyamide Strip Length

20 - 25 mm



Features

Air permeability	Class 3
Wind resistence	Class C5
Water tightness	Class 7A
Security test PAS24	PASSED

Reference Test AEV 1,8 x 2,2 m / 2 Sashes

Finishes

Possibility of dual colour systems
Colour powder coating (RAL, mottled and rough)
Wood effect powder coating
Anti-bacterial powder coating
Anodised

Opening possibilities

Sliding
1 rail (sash + fixed light)
2 and 3 rails
Pocket possibility

Maximum Sash Weight

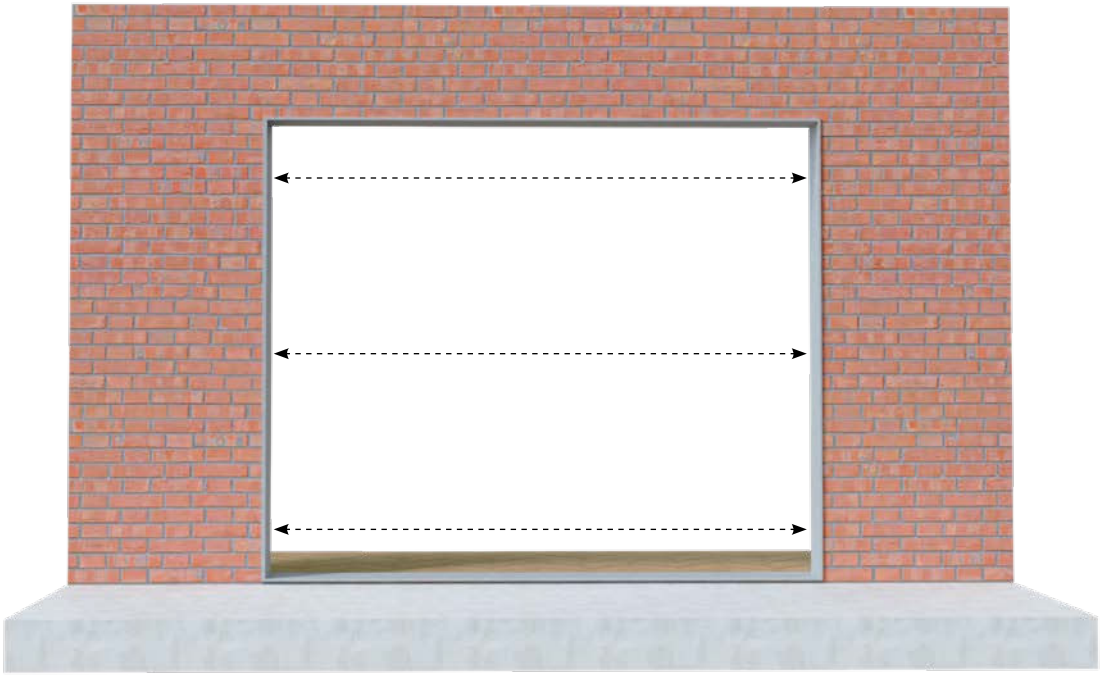
Width (L) = 2500 mm
Height (H) = 3000 mm

Consult maximum weight and dimensions according to typologies

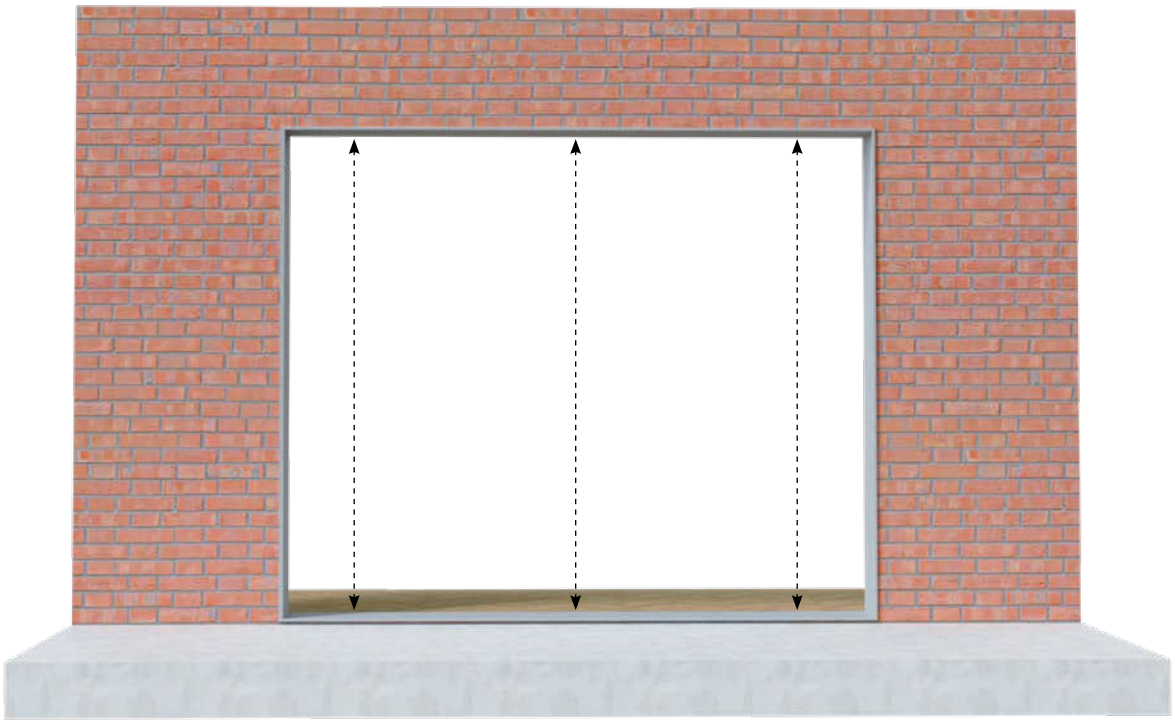
Maximum Sash Weight

280 Kg

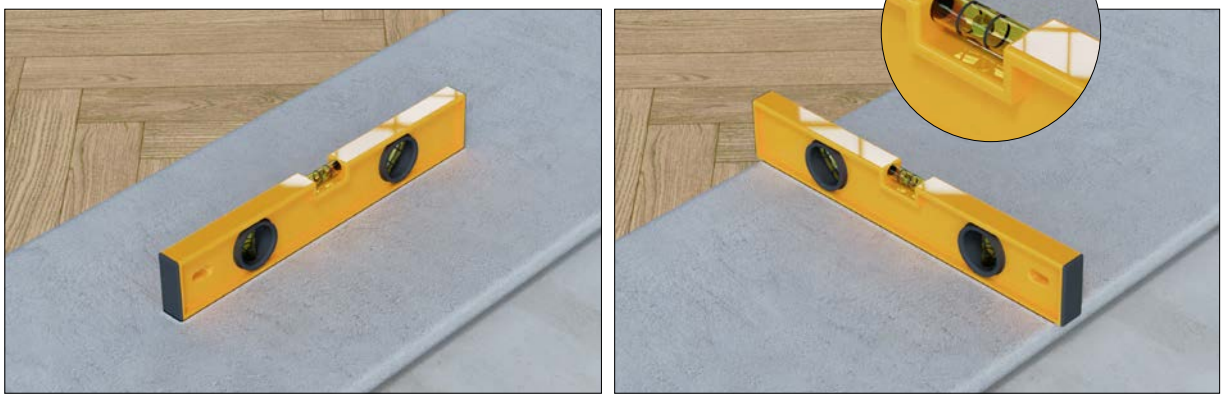
Prepare the opening

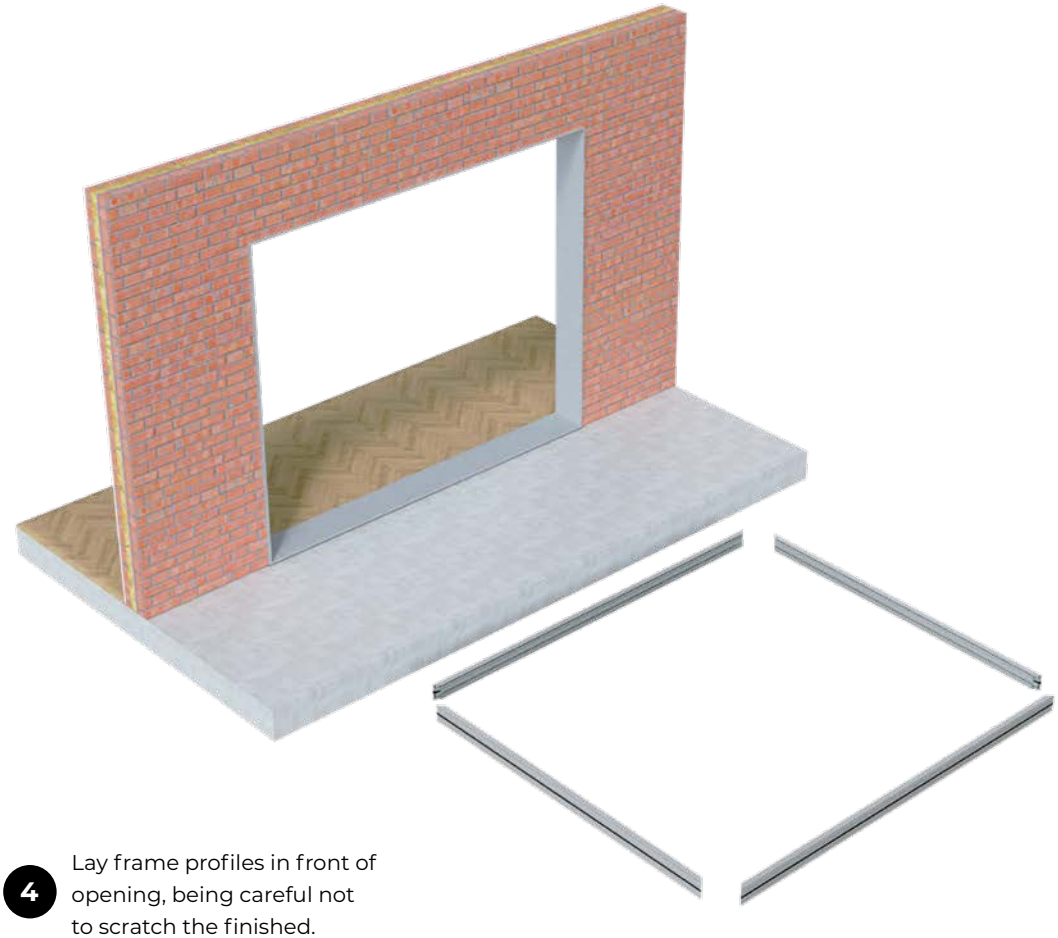


1 Measure **widths** and **heights** in several points.



2 **3** Level the threshold in both directions, packing accordingly.





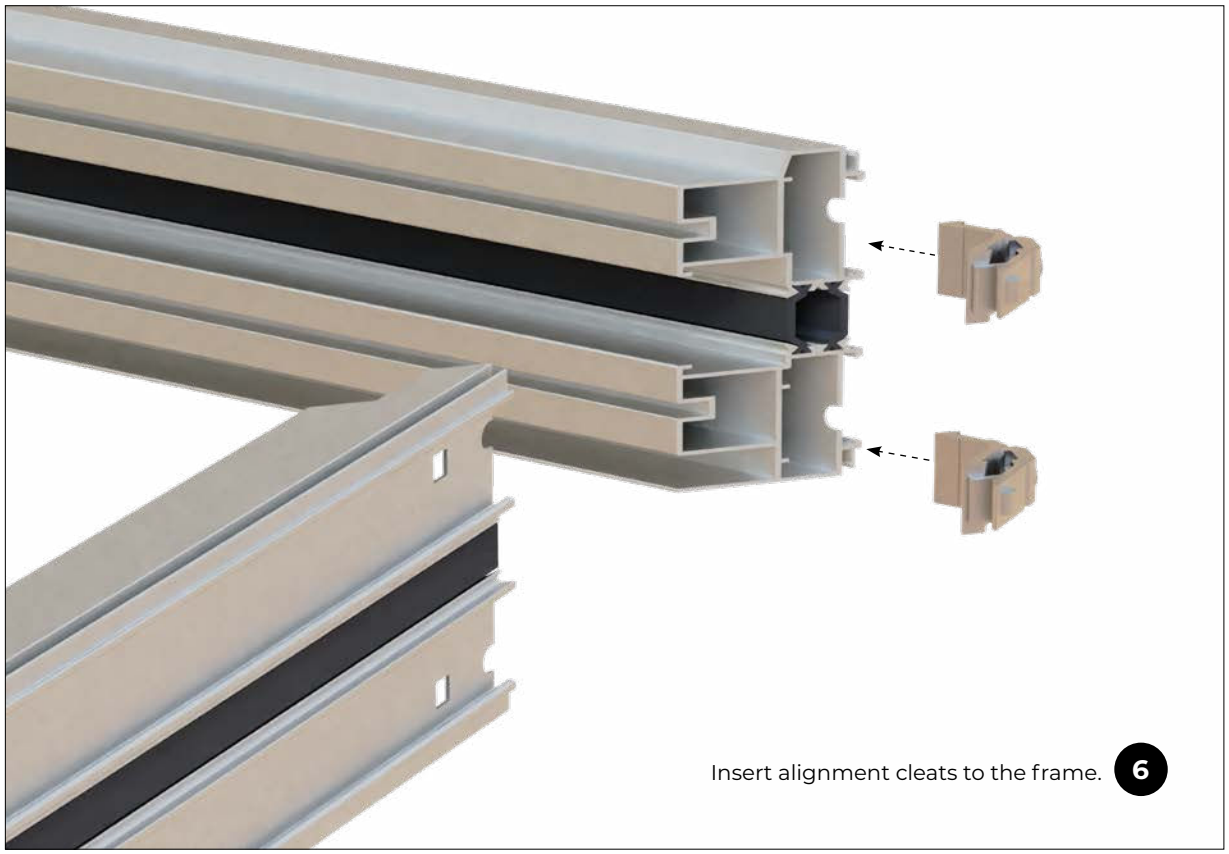
4 Lay frame profiles in front of opening, being careful not to scratch the finished.

Installation Guide

Connect the jambs and bottom track

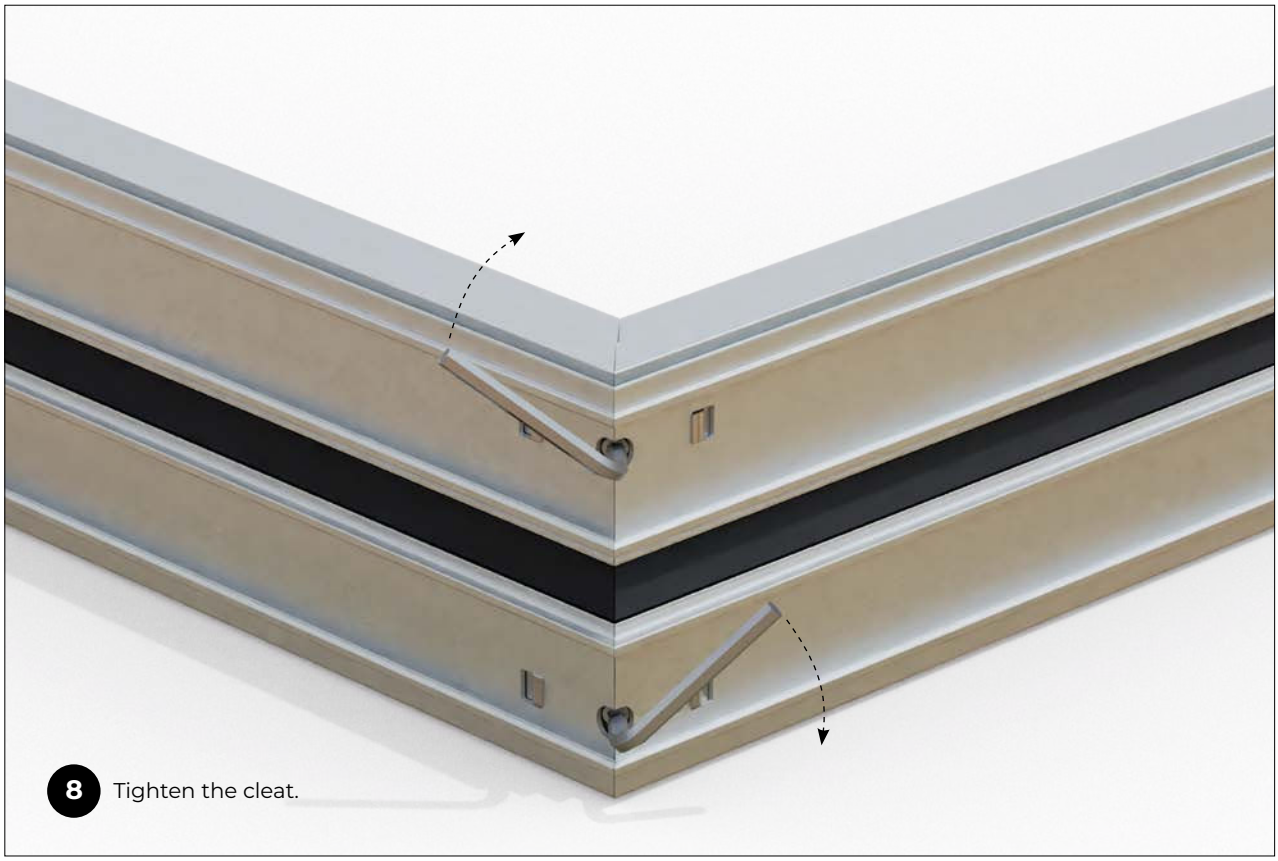
5 Apply suitable sealant to profile ends.

It is important to seal the bottom profile at both ends to prevent water from draining into the cleats.

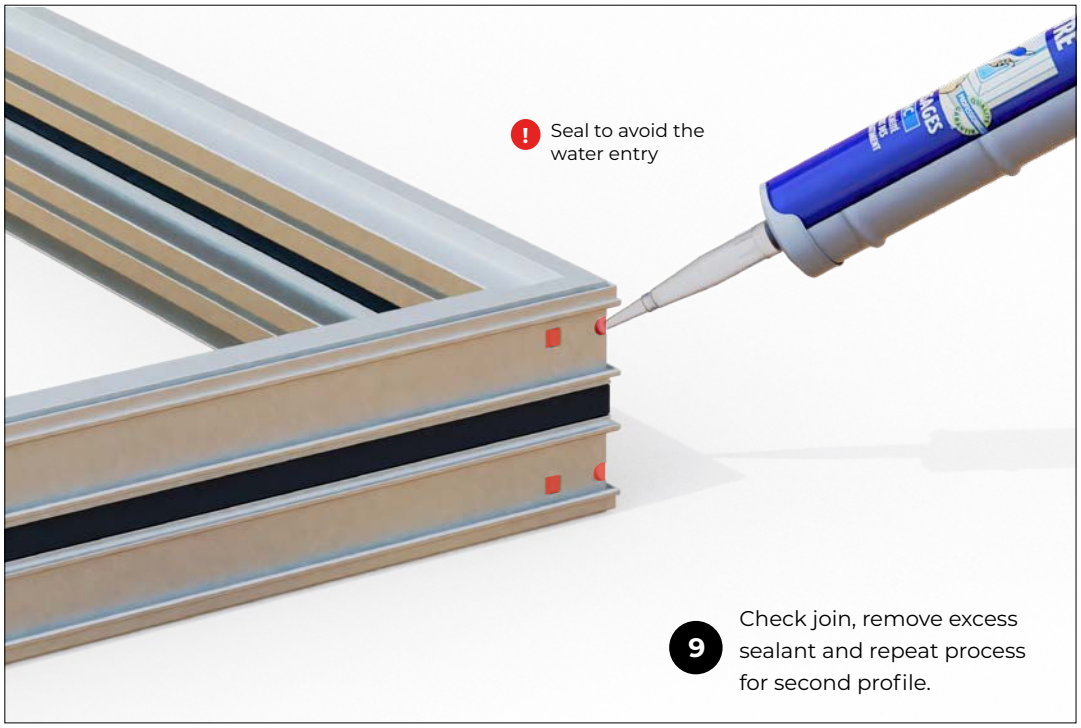


Insert alignment cleats to the frame. 6

7 Join jamb to bottom track.

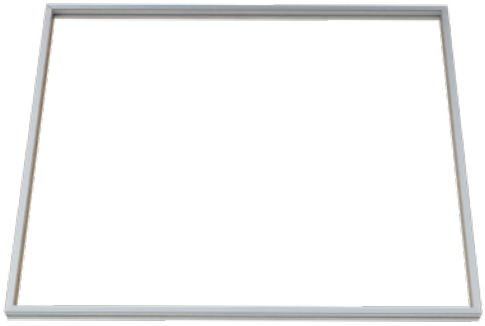


8 Tighten the cleat.



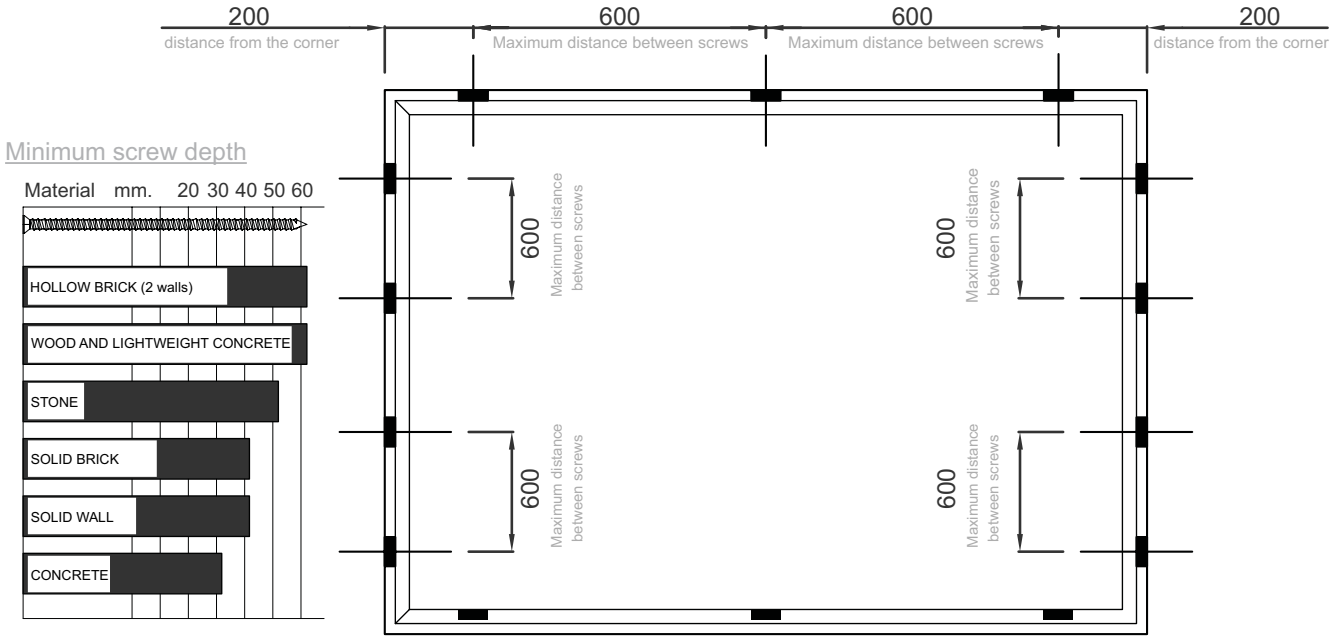
9 Check join, remove excess sealant and repeat process for second profile.

10 Assemble all frame profiles.



Installation Guide

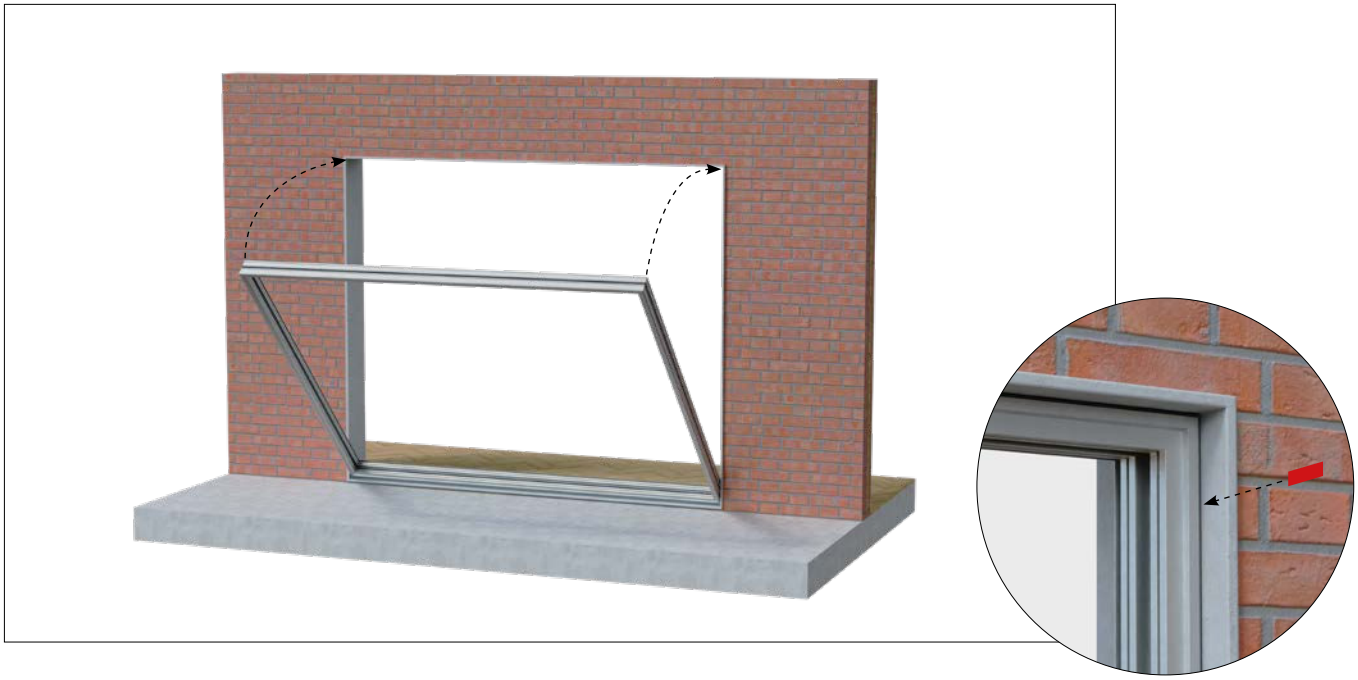
Fixing the frame to the structure the separation between screws is recommended does not exceed 600 mm. The depth of the fastening on site should never be less than 30 mm. (See table with recommendations for use)



Please note: We highly recommend that you do not insert screws or fixings into the threshold and/or cill. Use silicone to place into position and insert fixings into the sides and head.

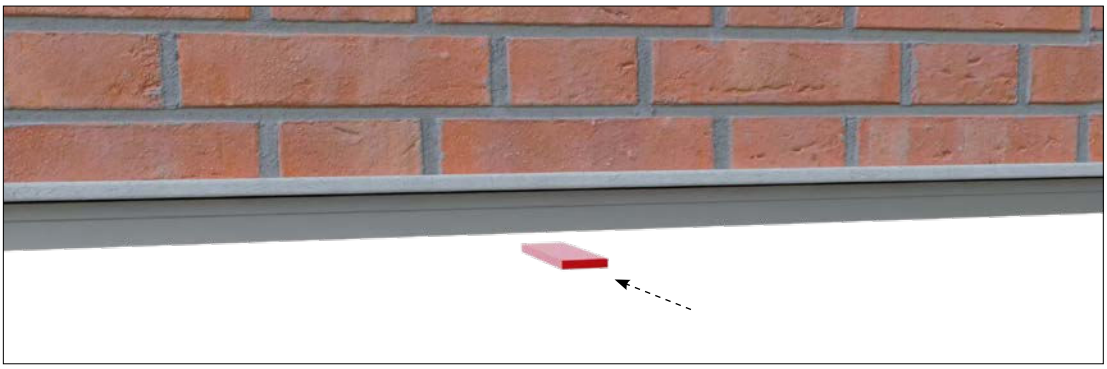
5. Lift the frame into the opening

11.1 Lift frame into the opening, ensuring drainage caps are situated externally.



11.2 Insert packers above both jambs.

12.2 Pack out across the top track for consistent internal frame sizes. Ensure the track doesn't bow in any direction. Ensure that the building does not transmit any loads into the frame.



6. Level and fix both jambs

13 Level out jambs in both directions.

7. Fix the top track

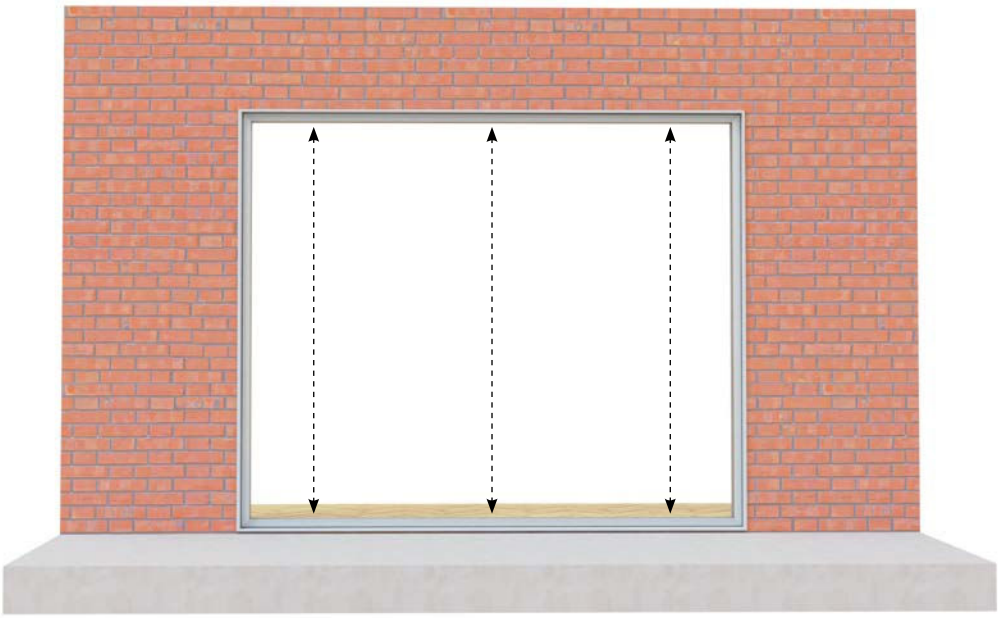
14 Where possible, fixing points should be on both sides of the frame, in a zig-zag pattern.

15 Drill and countersink an appropriate sized fixing hole through the frame. This should be no more than 200 mm from the external corner of the frame.

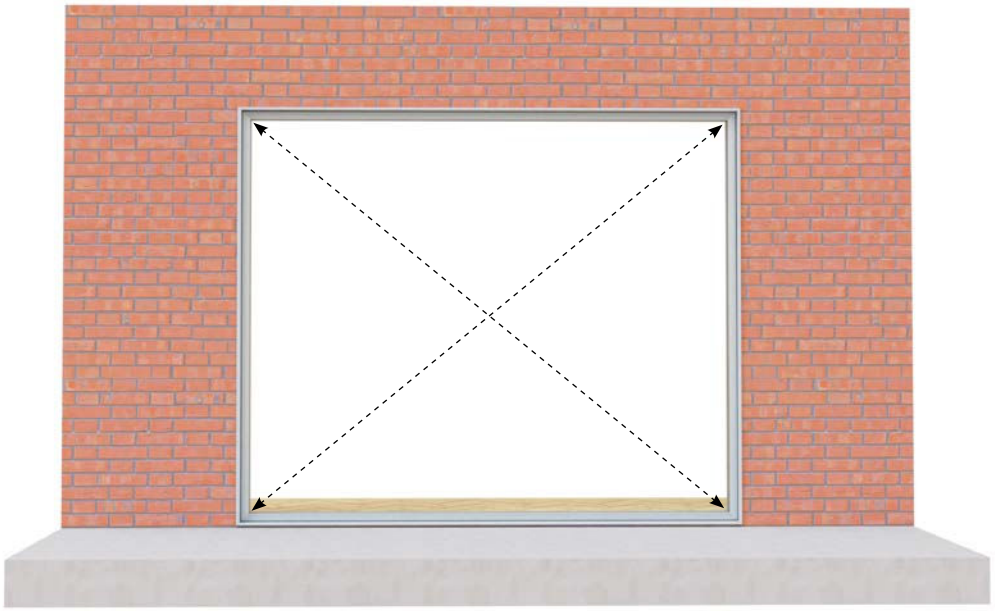
16 Insert suitable sealant to fixing hole, ensuring fixings are within 900 mm intervals, then screw preferred fixing in place.

Repeat the steps “15 and 16” on the side profiles of the frame, as to properly fix it to the wall.

17 Accurately measure the internal frame dimensions.



18 Measure diagonally from corner to corner to check the frame is square.



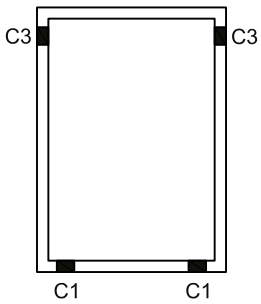
Installation Guide

Please note: Pre-drilled holes are for drainage. DO NOT insert fixing screws into the threshold drainage holes. See page 12.

19 Glazing packers are required.

IT IS RECOMMENDED TO POSITION THE GLAZING PACKERS ACCORDING TO THESE CONFIGURATIONS.

FIXED



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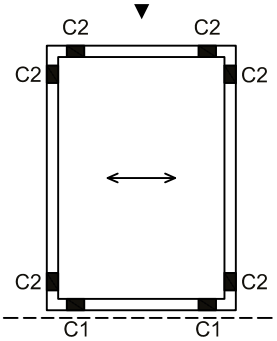
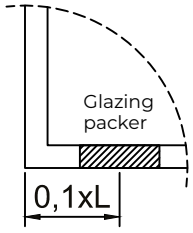


Glazing packers must be placed towards the inside of the bearing points.

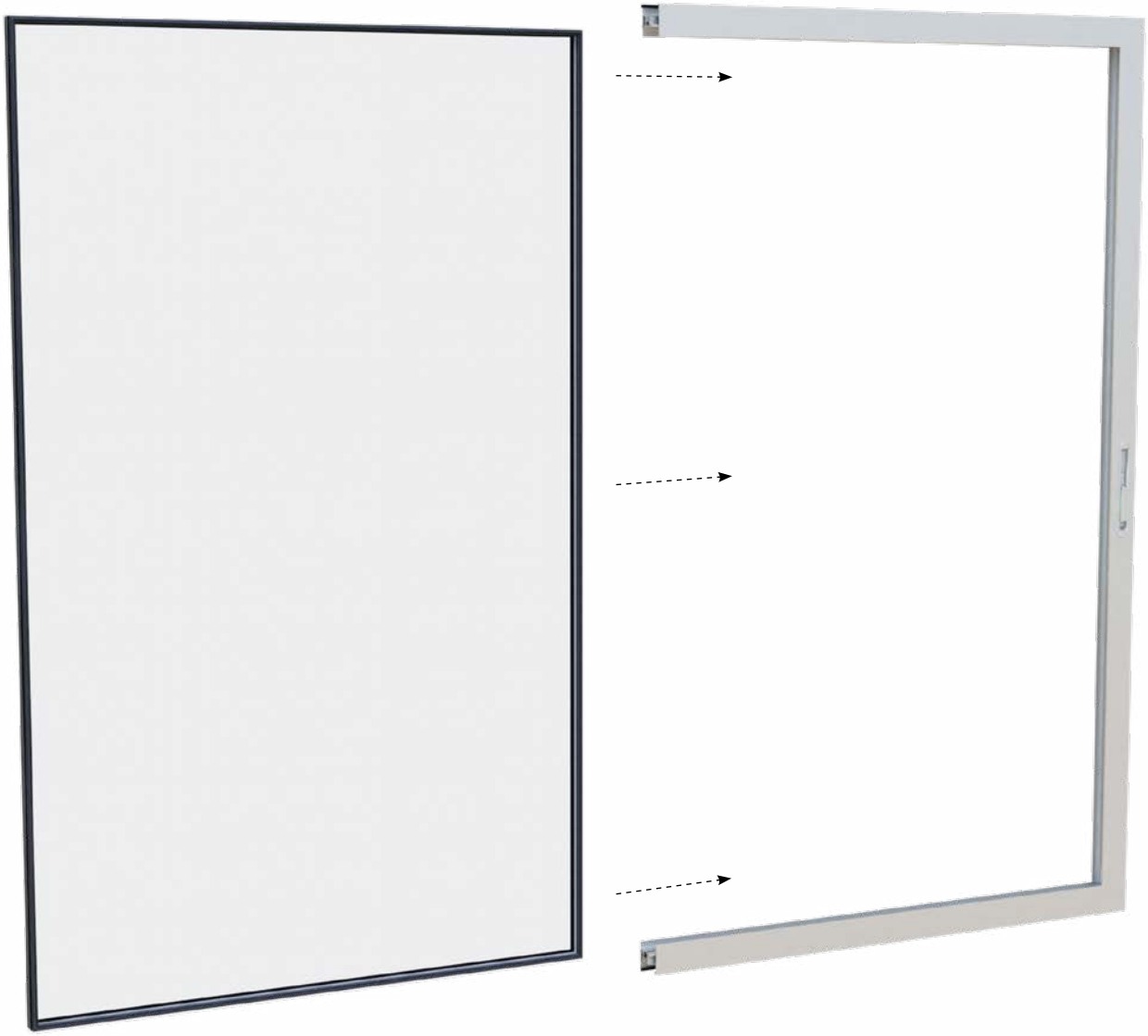
Name of the glazing packers:
C1 = Support glazing packer
C2 = Perimeter glazing packer
C3 = Security glazing packer

Notes:
- The glazing packers must be fitted as shown in the sketch shown above, without adding other glazing packers in different positions.

- The distance between the axis of the glazing packers and the edge of the glass will be approx. L/10 (L = lenght of the glass).



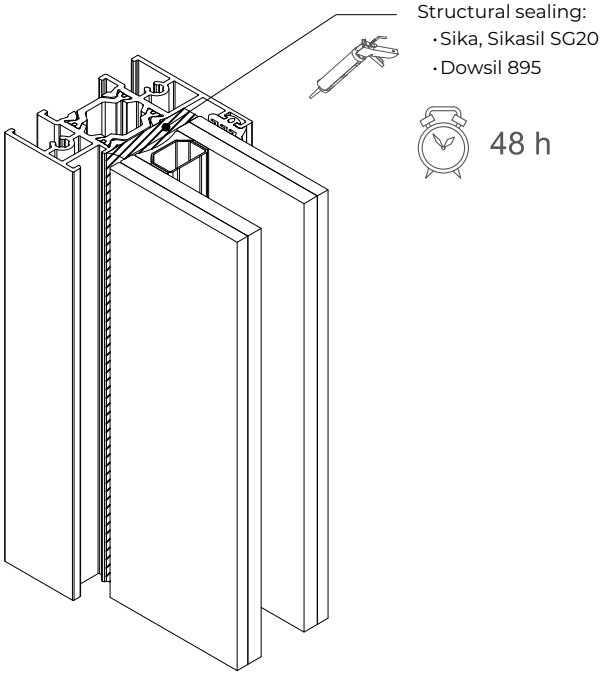
20 Insert the glass into the sash.



Installation Guide

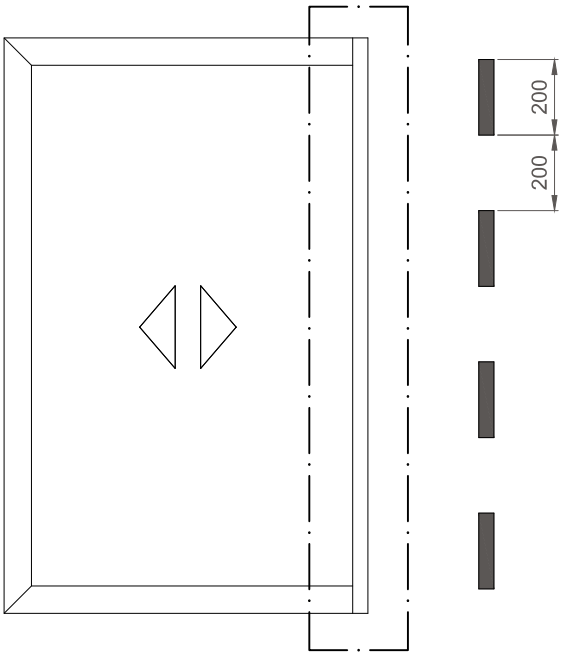
21 Apply sealant on interlock side.

IMPORTANT: Avoid direct contact between EPDM joints and structural silicone.

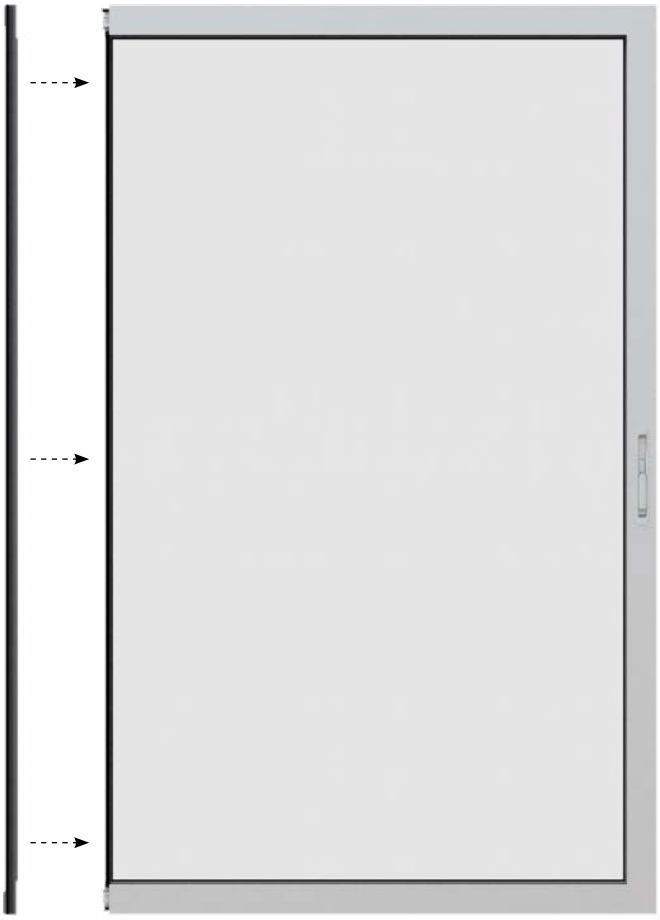


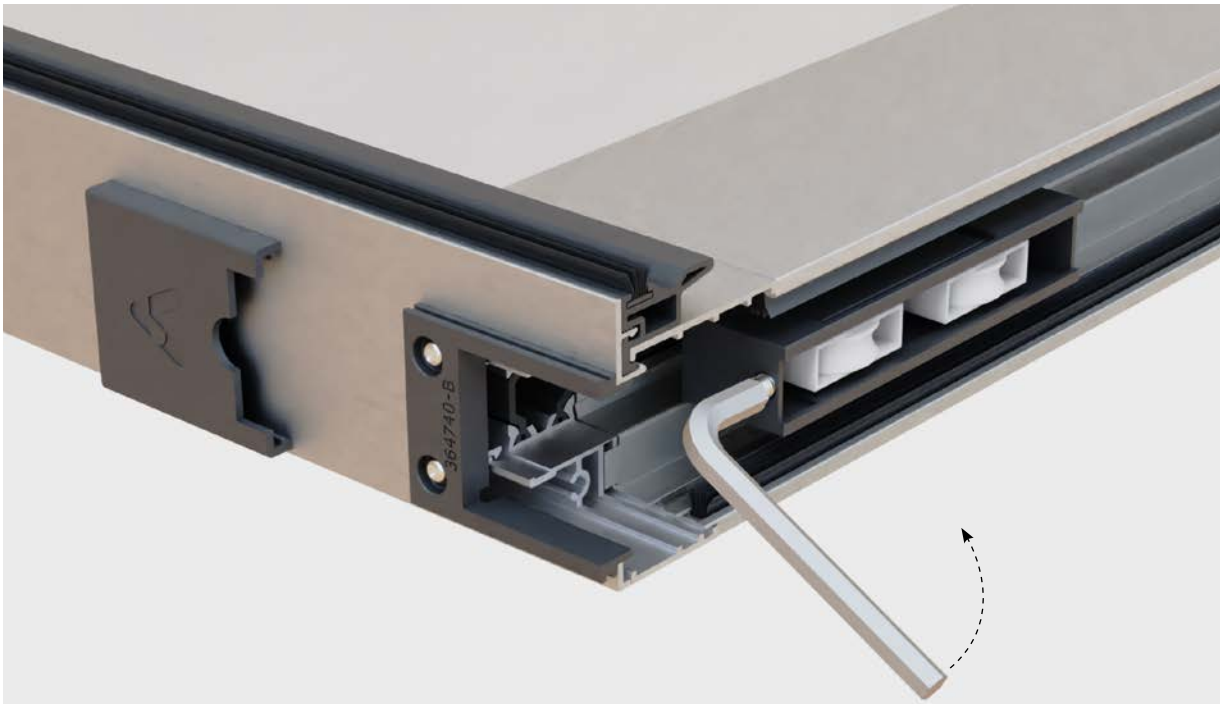
Structural sealing:
- Sika, Sikasil SG20
- Dowsil 895

48 h



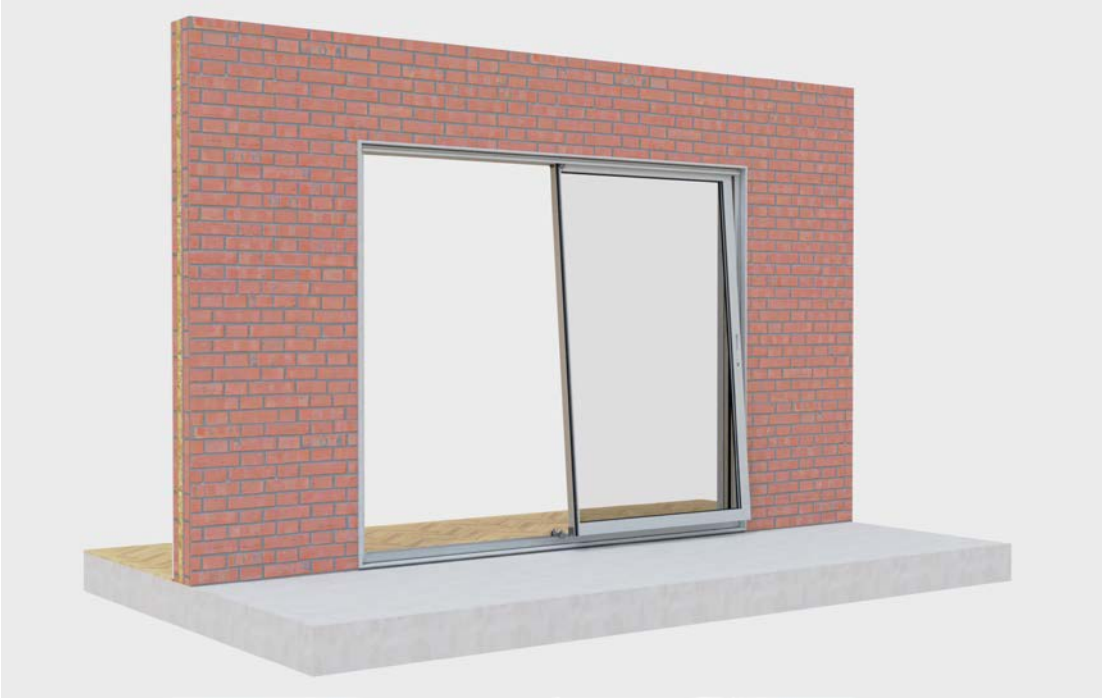
22 Assemble the interlock side.



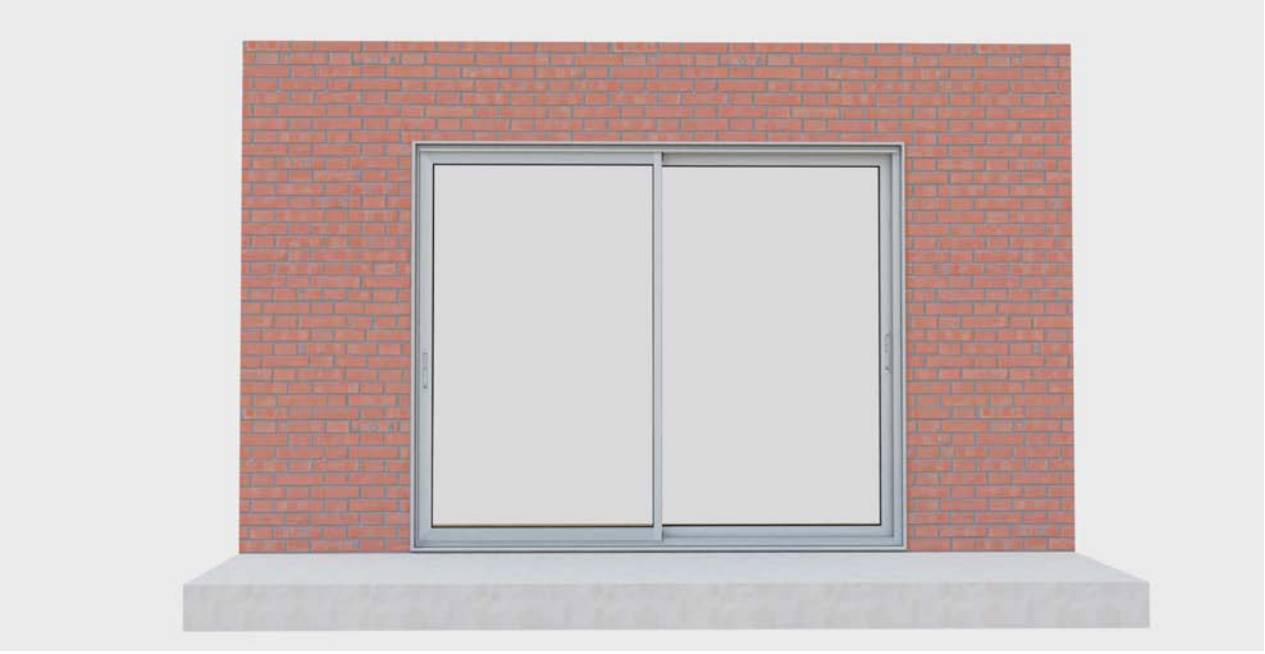


23 Adjust the wheels with an allen key after the sash has been installed.

3 Insert top of sash into top track channel.



4 Swing bottom of sash above running gear.



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4700 Sliding Installation Guide