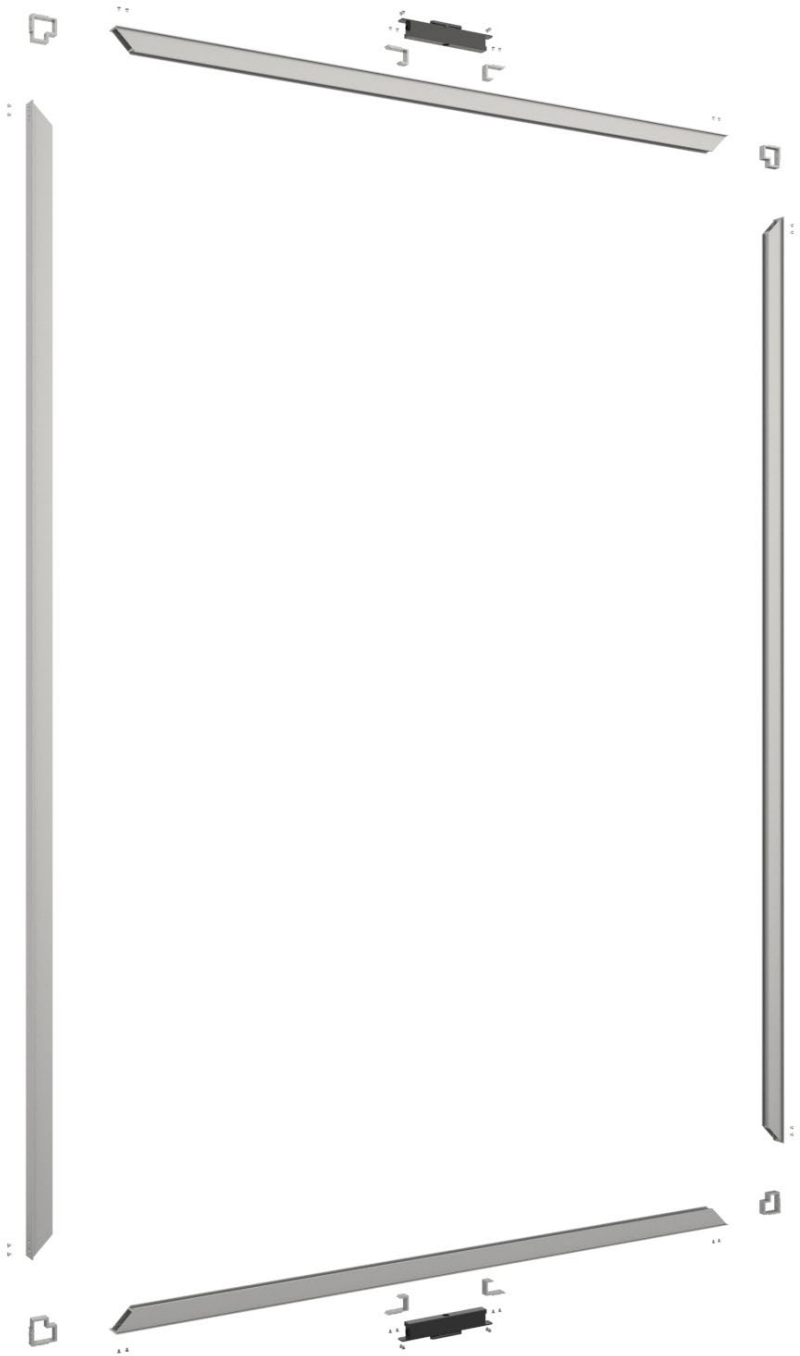


ASSEMBLY MANUAL
PortaPivot 5045 XL

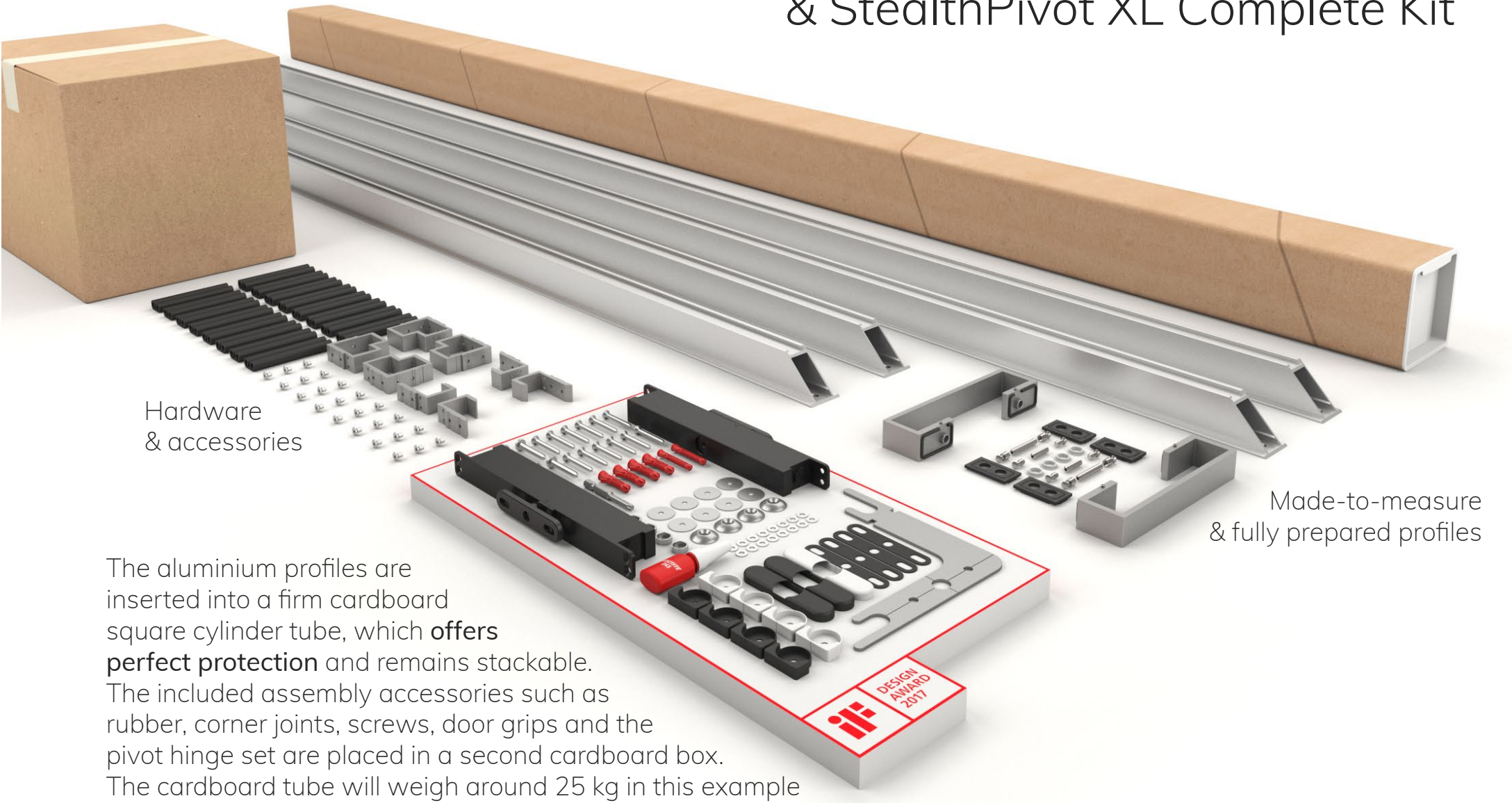
Watch our instruction videos on www.portapivot.com

PortaPivot

STEALTHPIVOT
By PortaPivot

Patented technology

PortaPivot 5045 XL
& StealthPivot XL Complete Kit



Hardware
& accessories

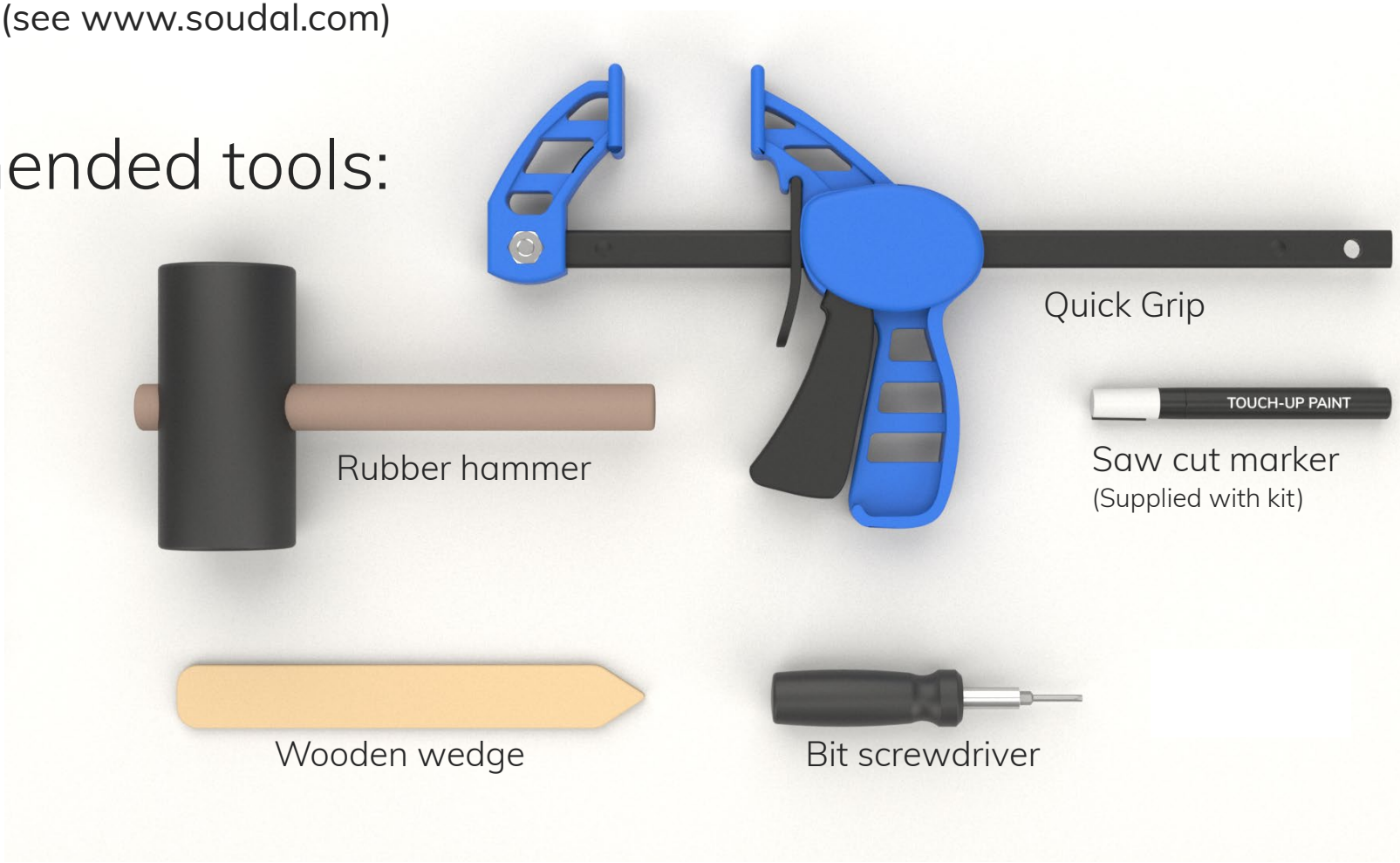
Made-to-measure
& fully prepared profiles

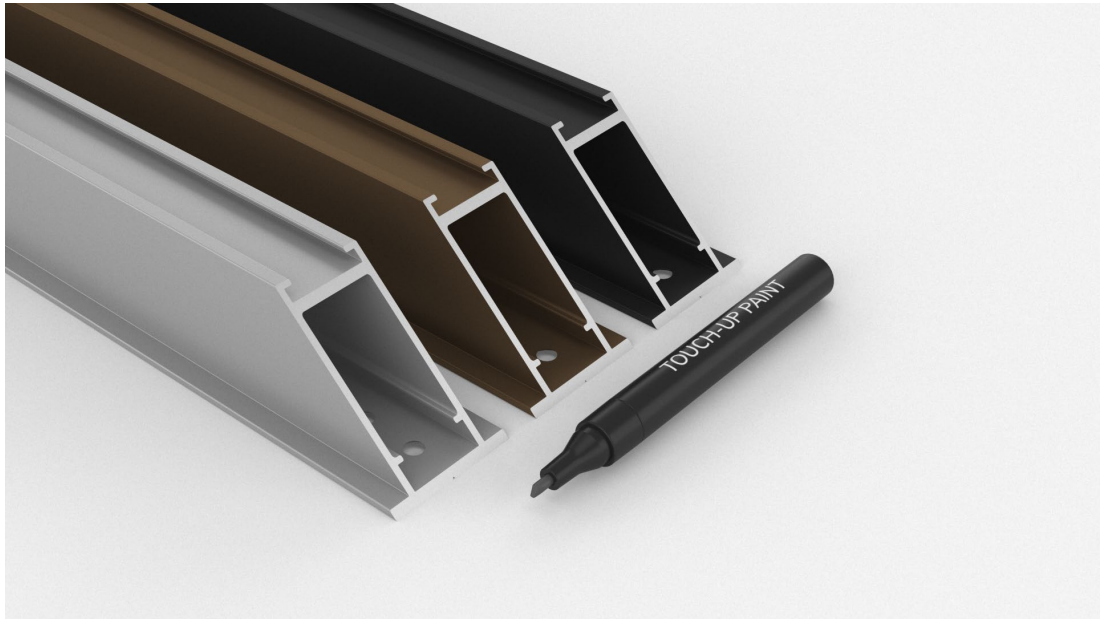
The aluminium profiles are inserted into a firm cardboard square cylinder tube, which **offers perfect protection** and remains stackable. The included assembly accessories such as rubber, corner joints, screws, door grips and the pivot hinge set are placed in a second cardboard box. The cardboard tube will weigh around 25 kg in this example and the square box will weigh around 5 kg.

Materials to be purchased locally:

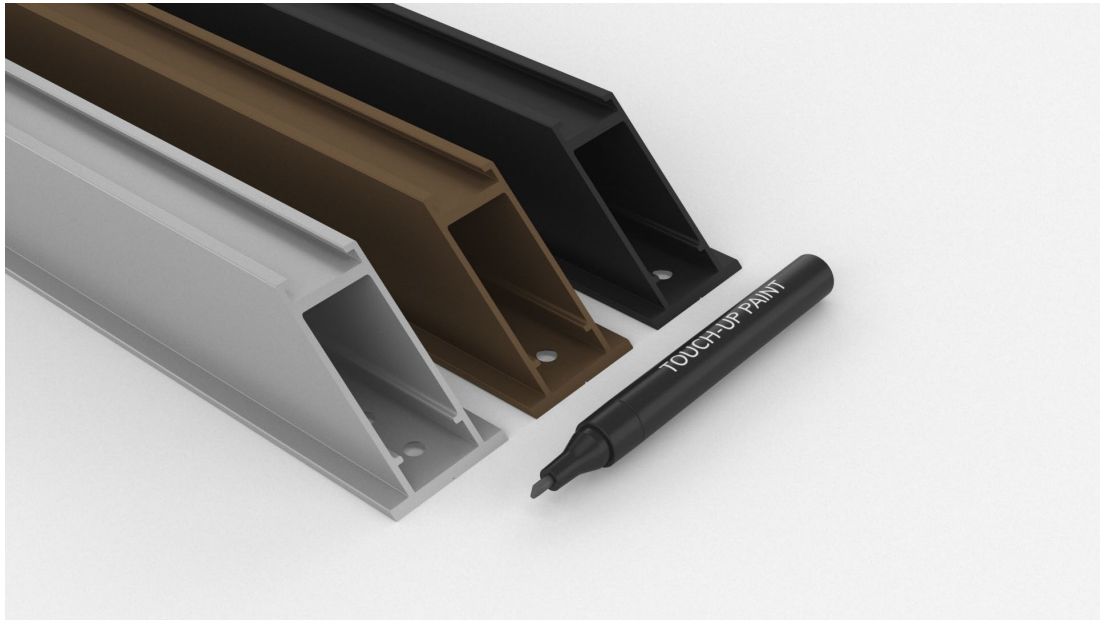
- Safety glass or paneling
- 3M double sided tape:
  - Transparent VHB DT4910 3009-4 (=9x1,15 mm)
  - Transparent VHB DT4910 3019-4 (=19x1,15 mm)
  - Grey VHB DT4655 3009-4 (=9x1,5 mm)
  - Grey VHB DT4655 3019-4 (=19x1,5 mm)
- Soudal Fix All (see www.soudal.com)

Recommended tools:





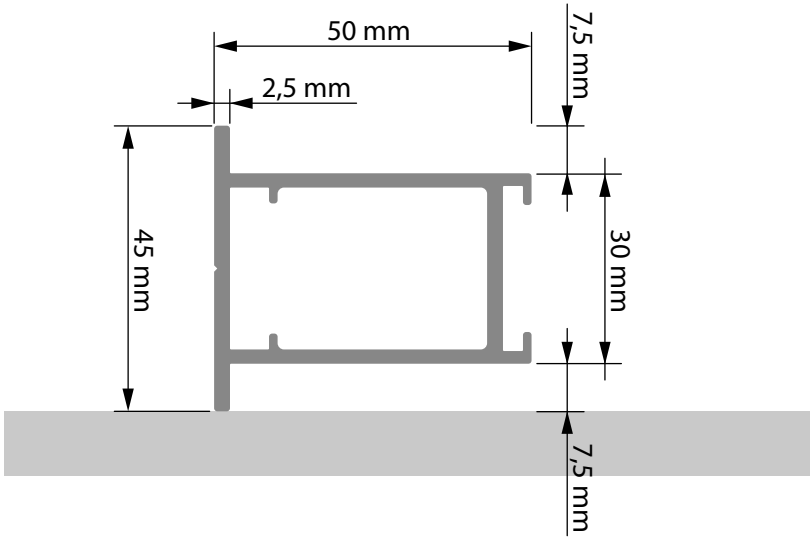
Degrease the saw cuts and use the supplied marker to paint the cuts.

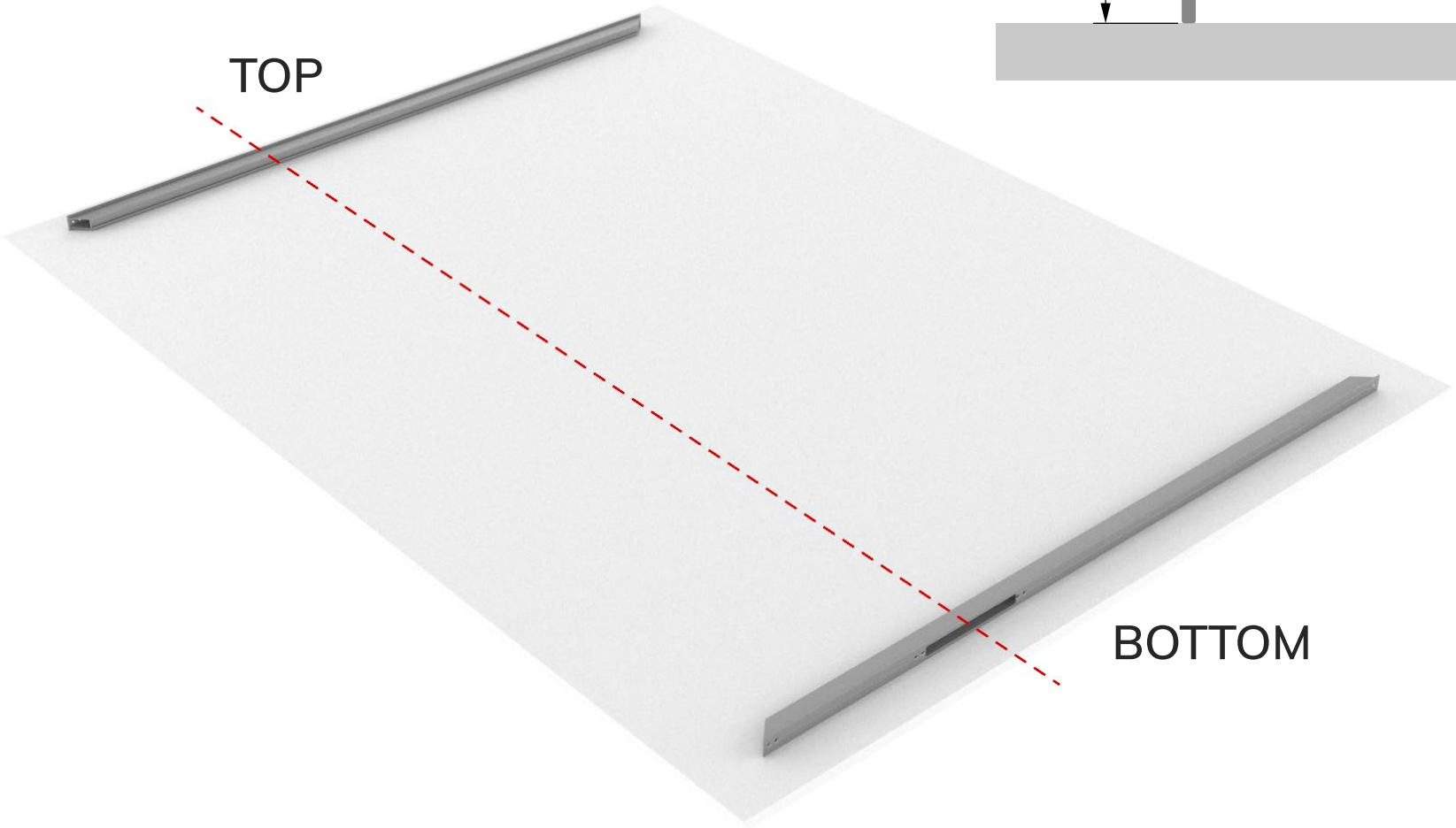


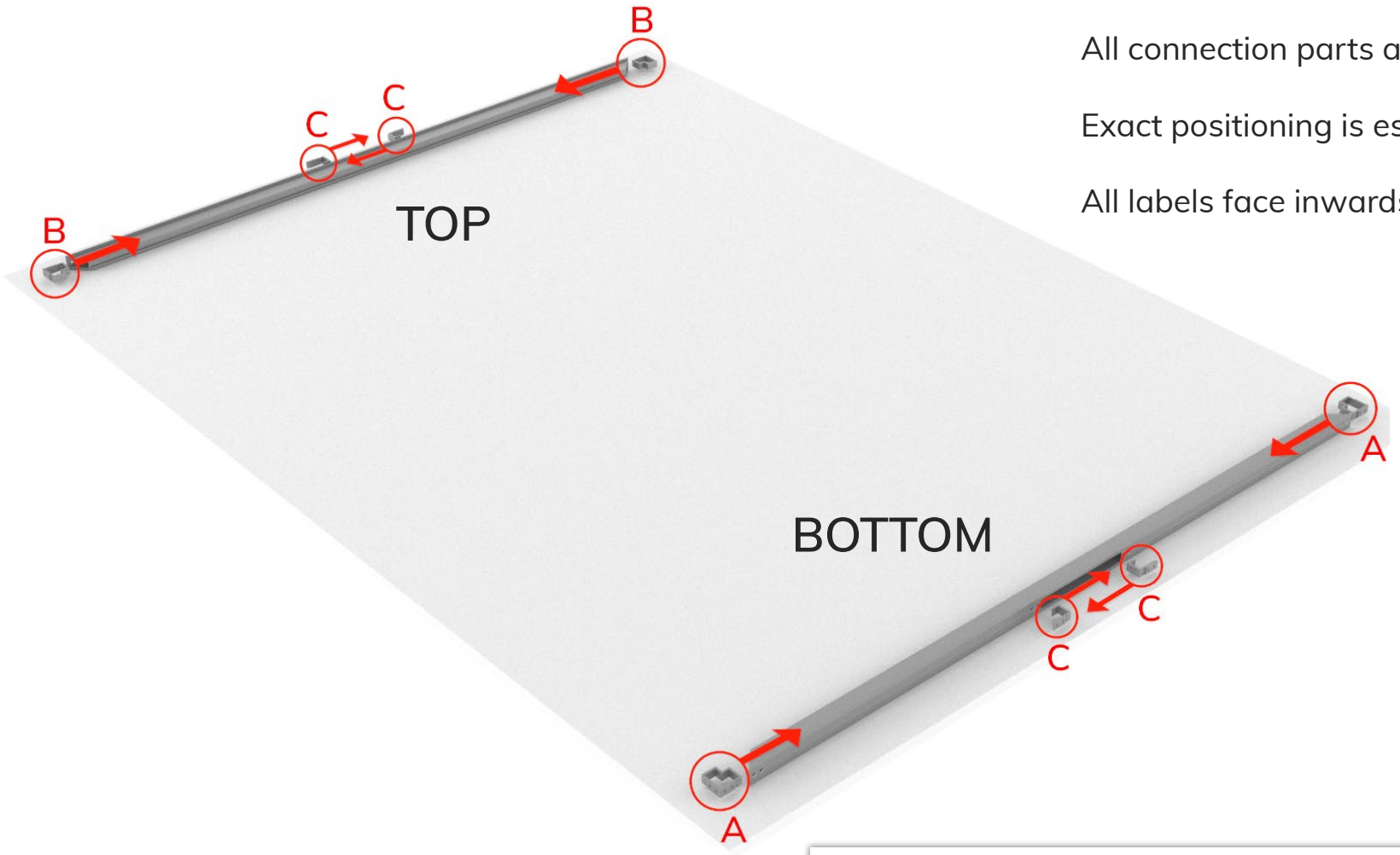
Remove excessive paint from visual sides with acetone or alike

Place the top and bottom profile on a mounting table.

Align pivot position in top and bottom profiles (both profiles are identical)



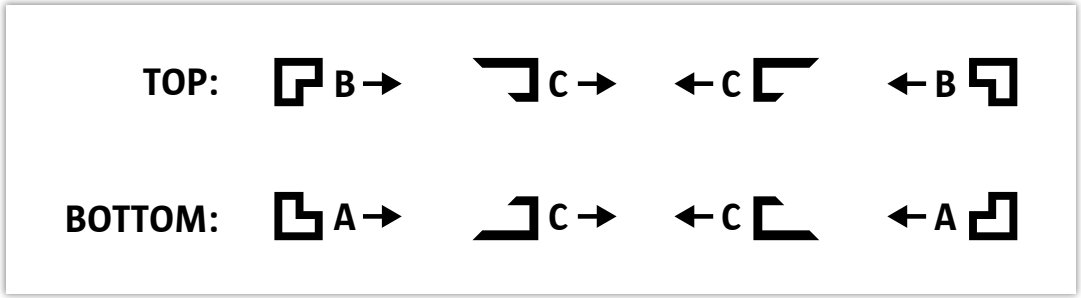


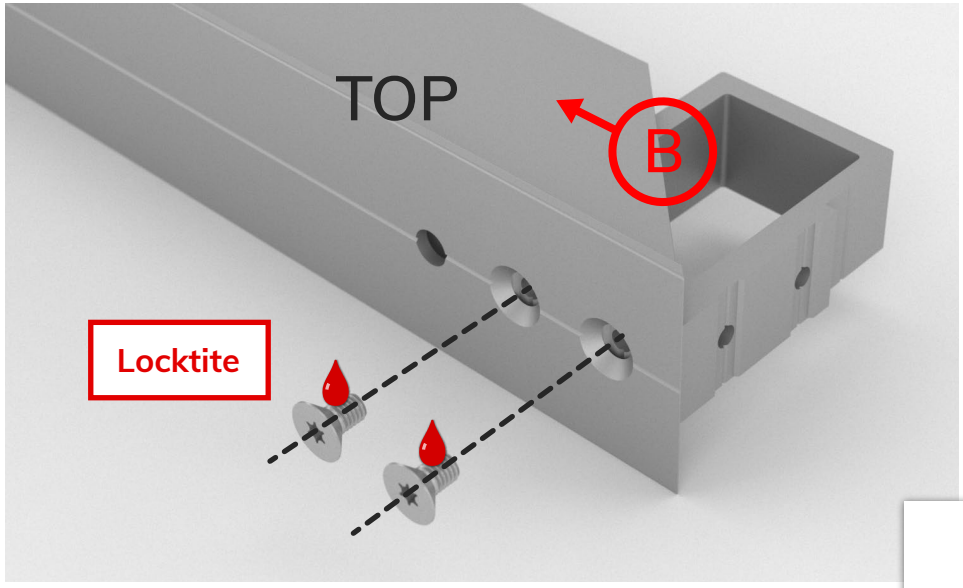


All connection parts are labeled.

Exact positioning is essential for assembly!

All labels face inwards.

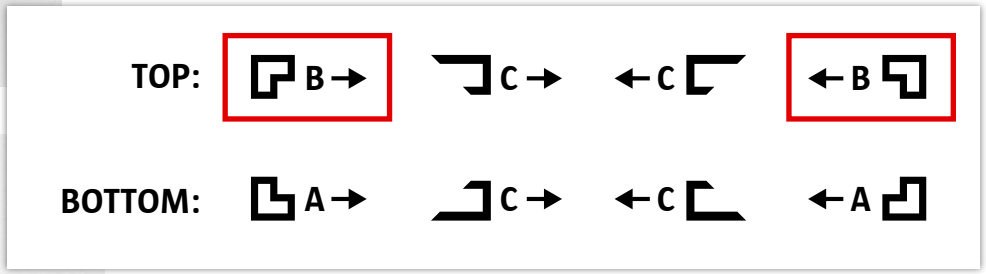


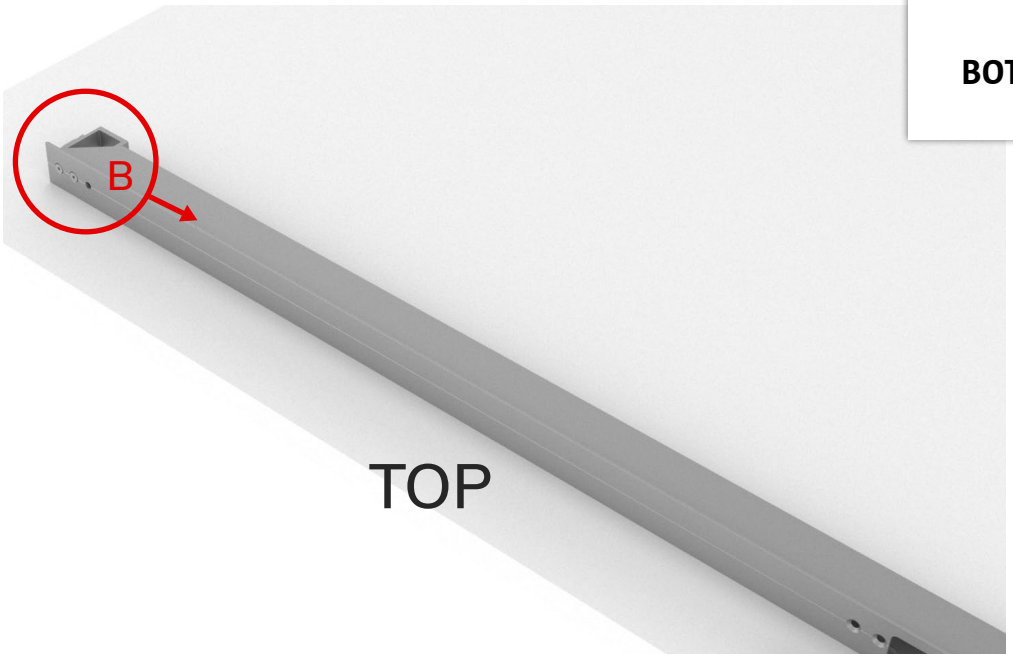


Slide B part in the top profile, label faces inwards.

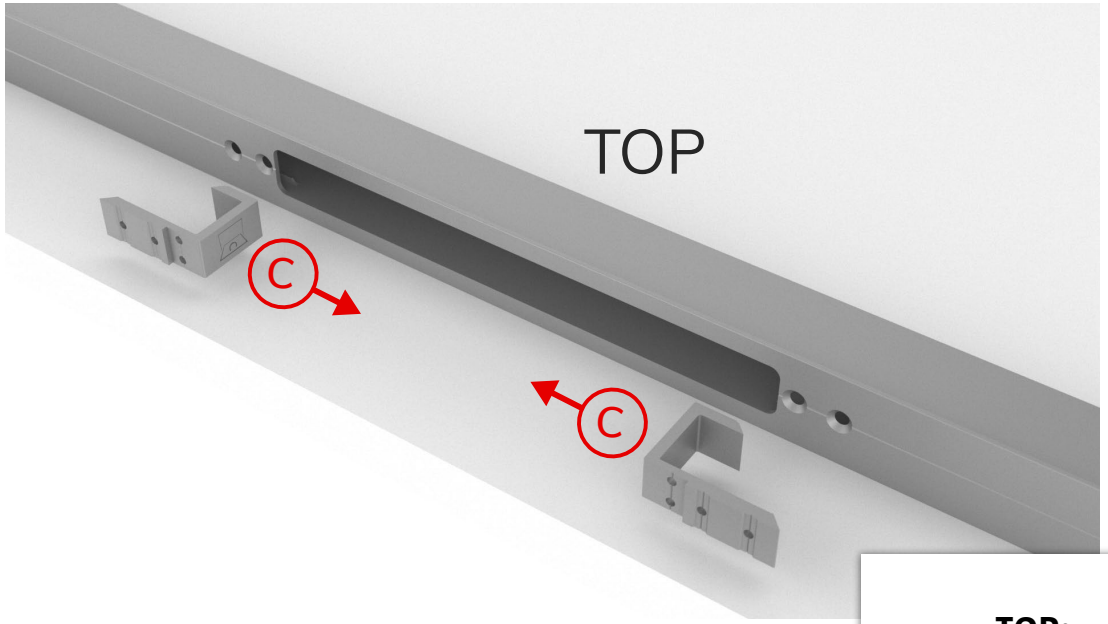
Screw in top screws, using locktite.

Do not tighten fully yet!

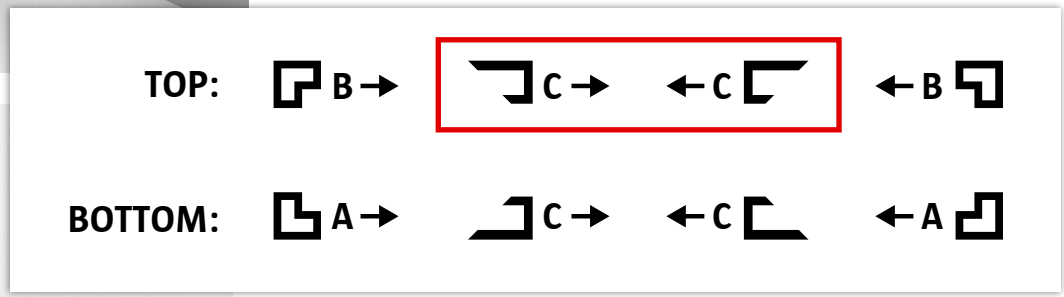


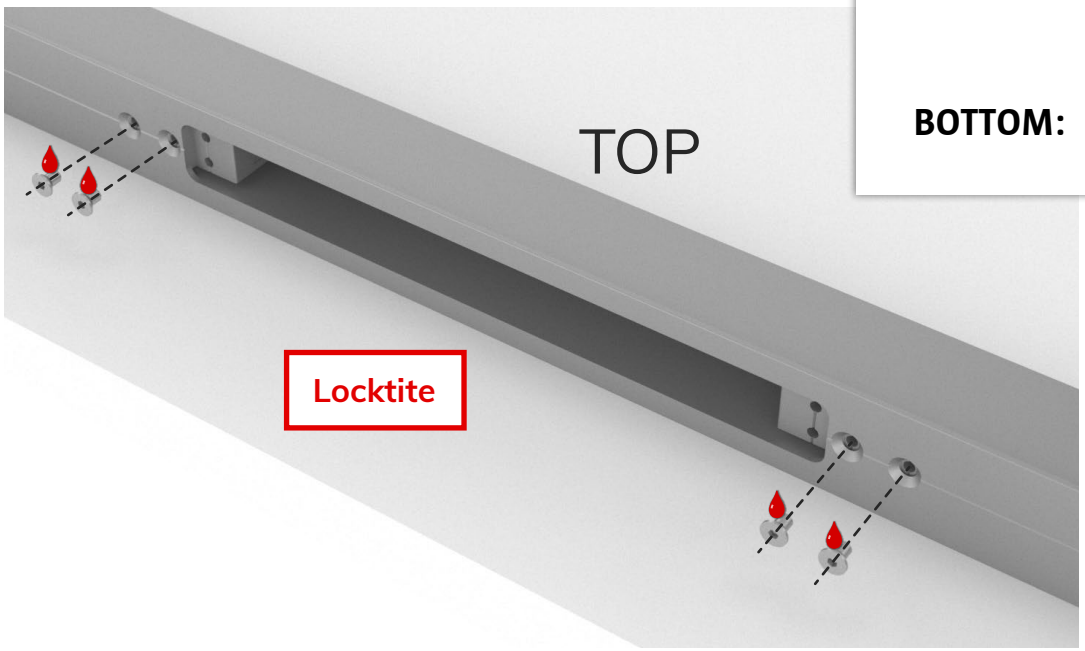


Repeat for the top right corner.



Slide in the C parts with labels facing inwards.

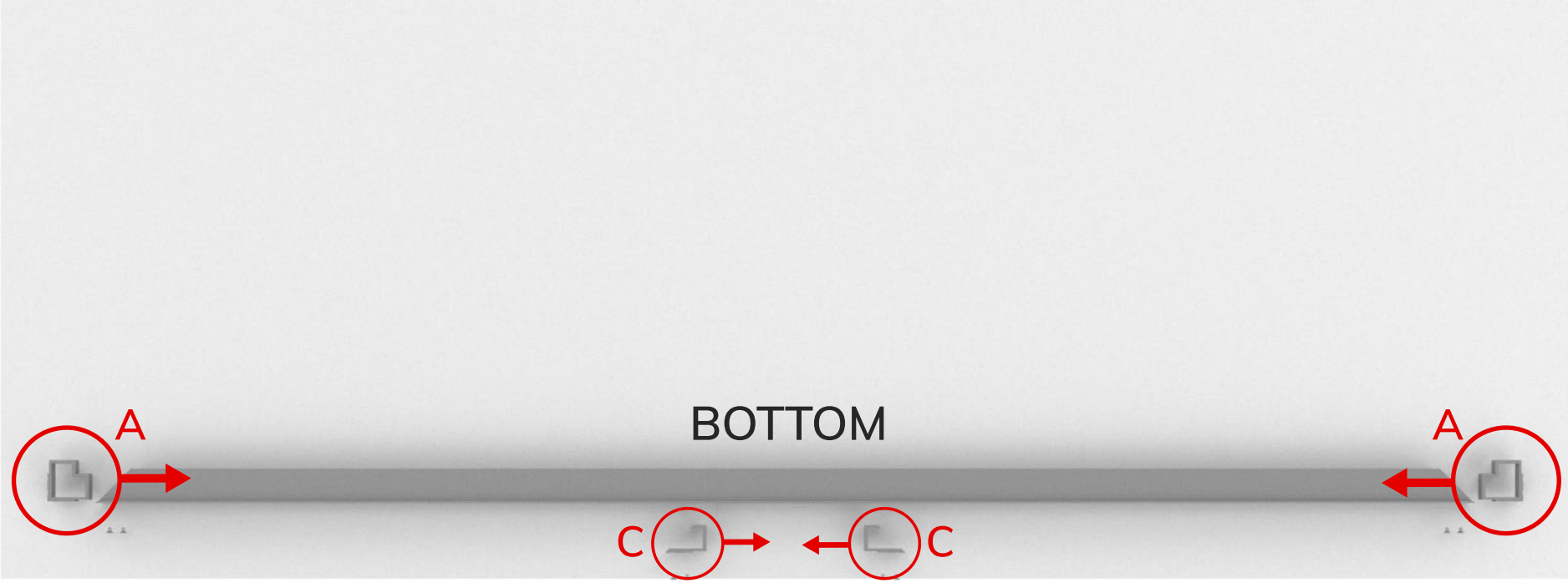


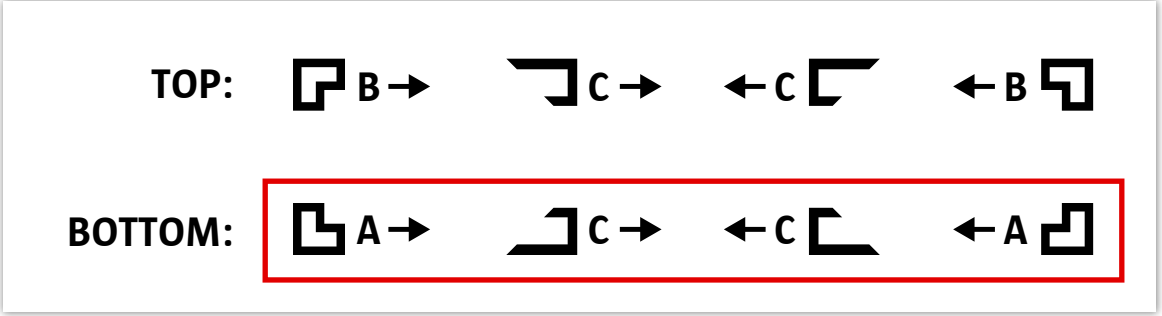


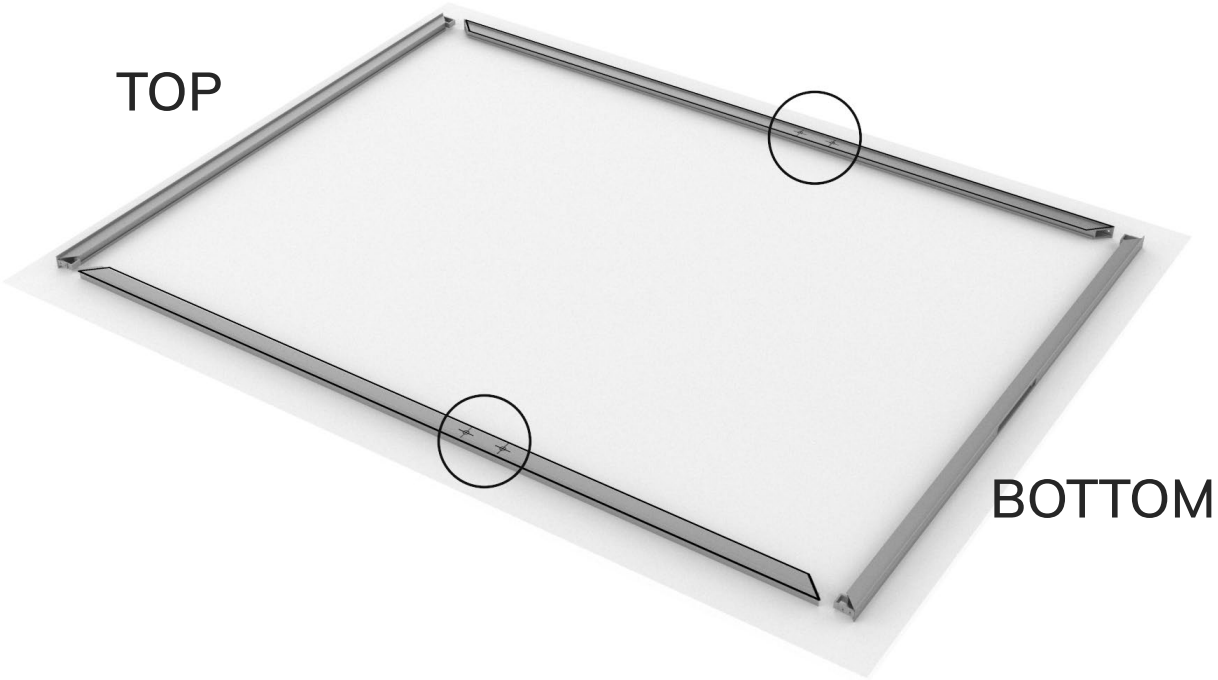
Lock with 4 screws.
Use locktite on all screws.

Do not tighten fully yet!

Repeat for the bottom profile, now with A parts in the corners and C parts in the middle.

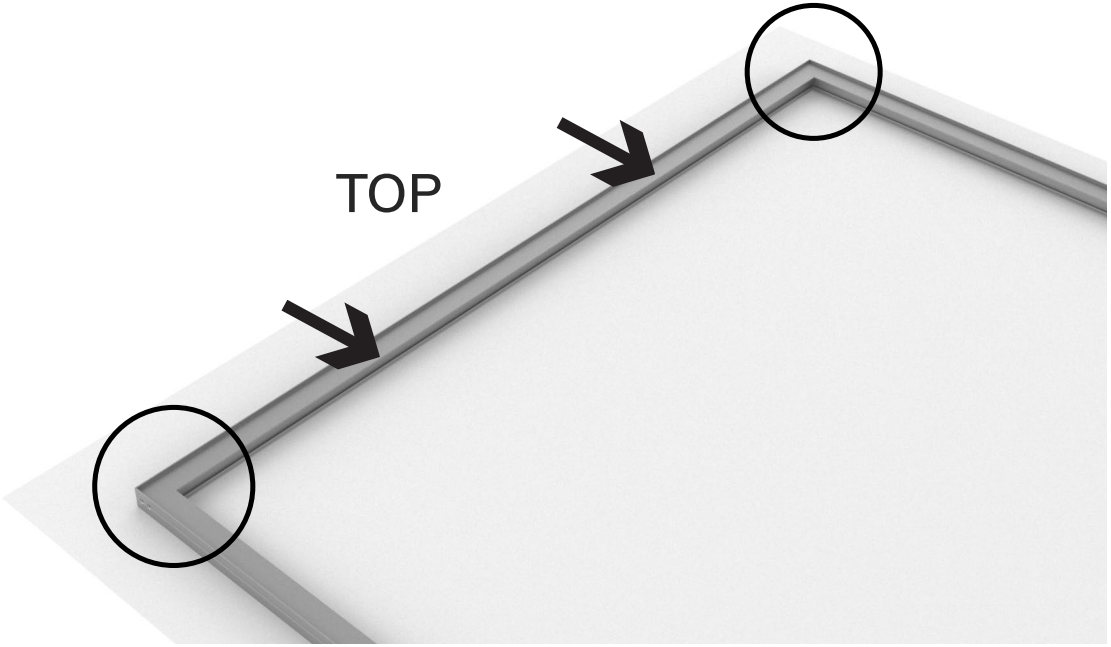




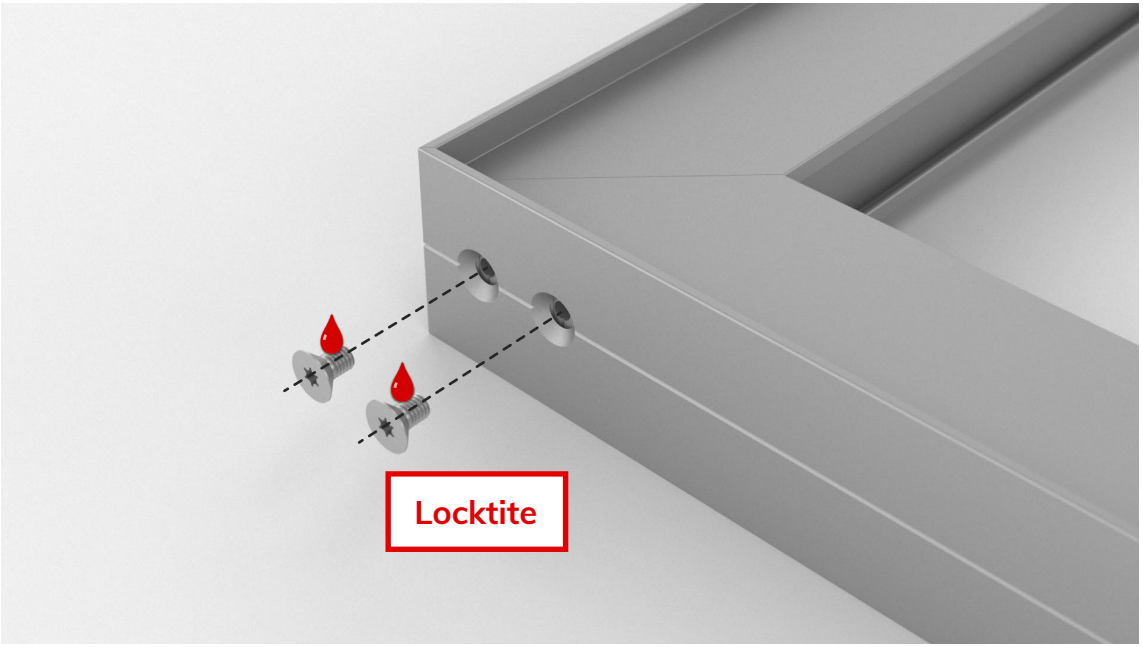


Place the left and right profile on the mounting table.

Profile orientation is important when door grip holes exist

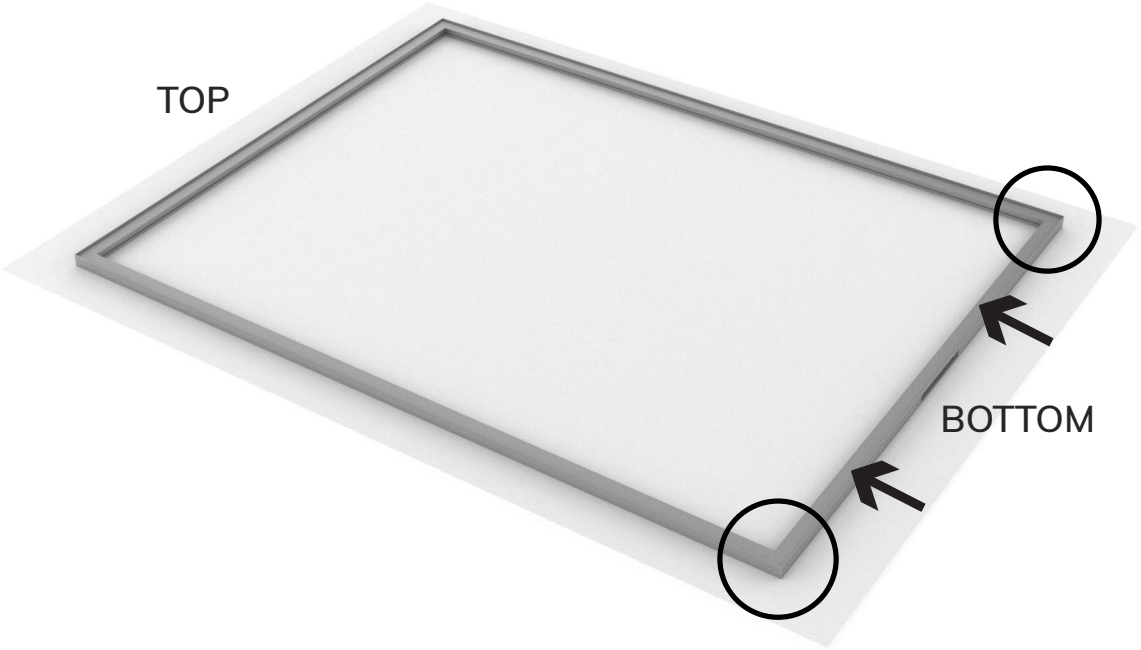


Slide the top profile into left and right profile



Insert screws into side profiles (left and right side).

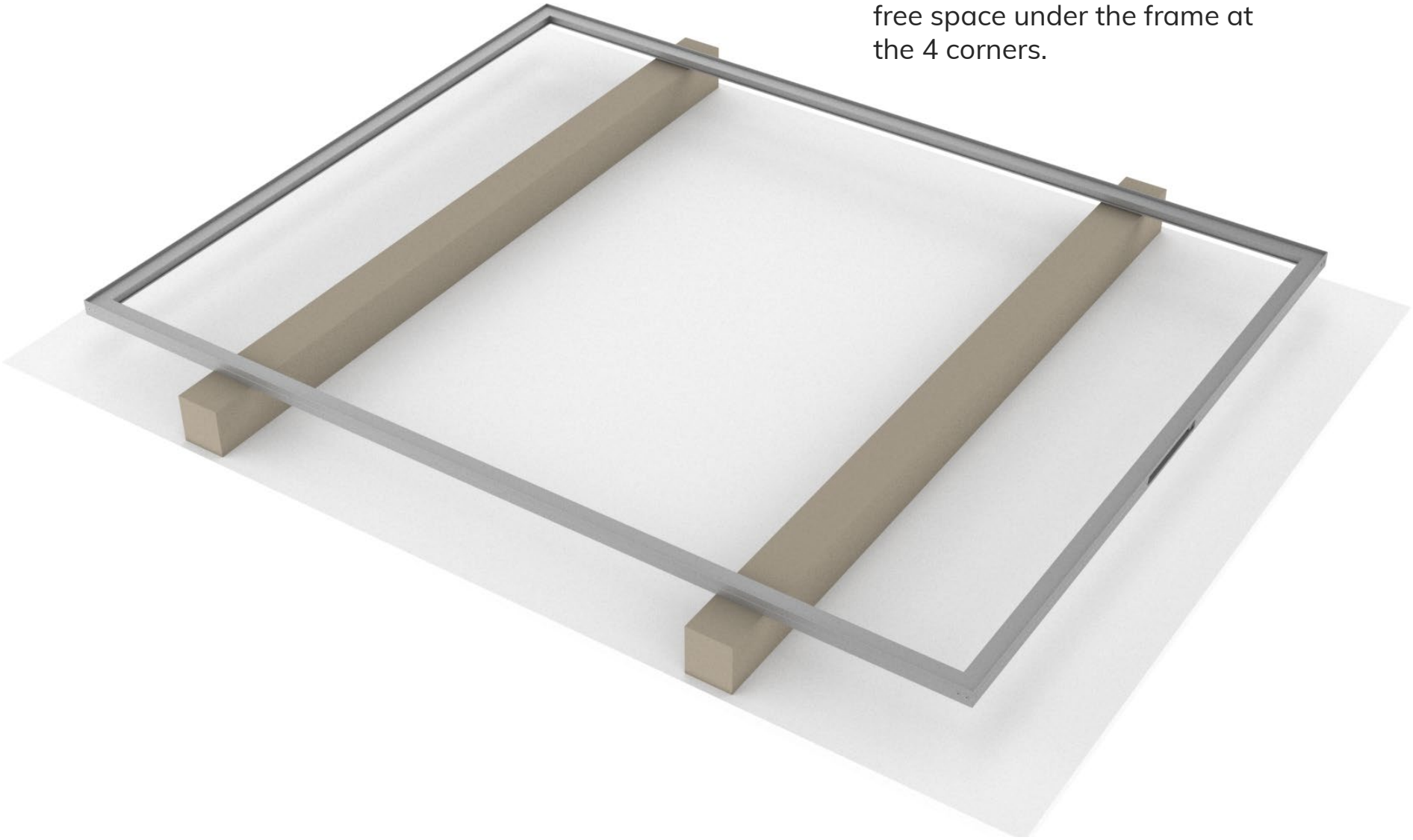
Do not tighten fully yet!

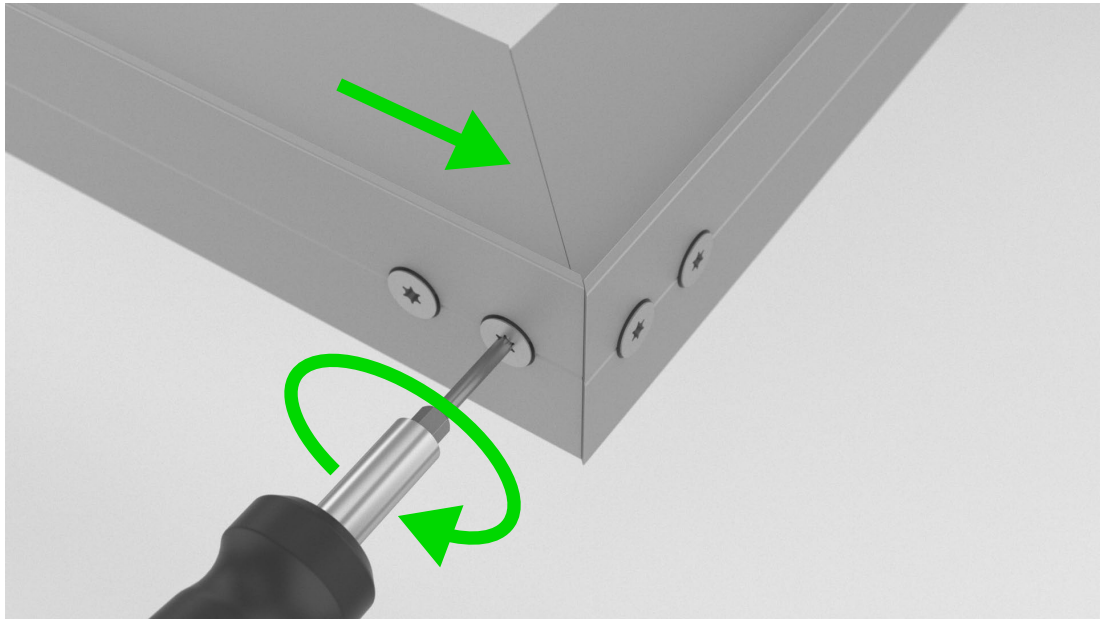


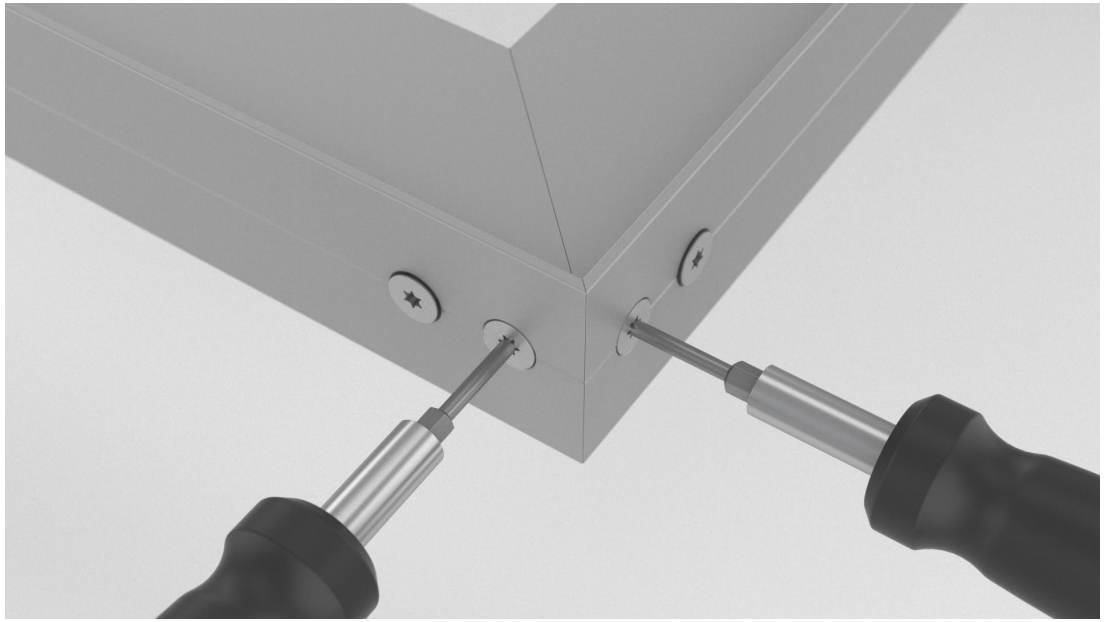
Repeat for the bottom profile.

Do not tighten fully yet!

For easier manipulation, create free space under the frame at the 4 corners.

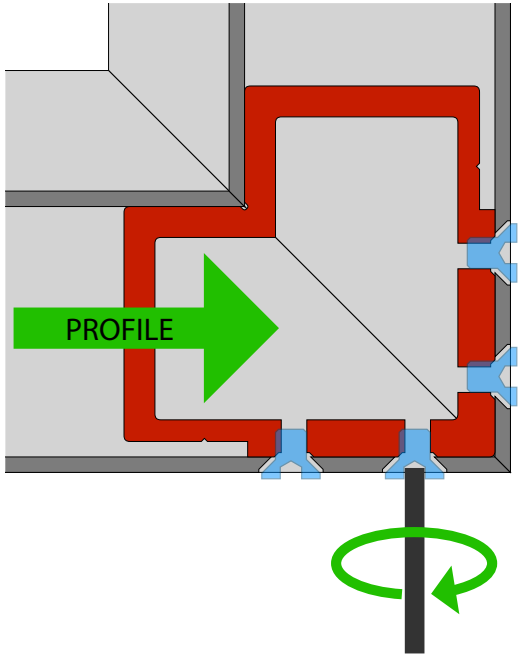


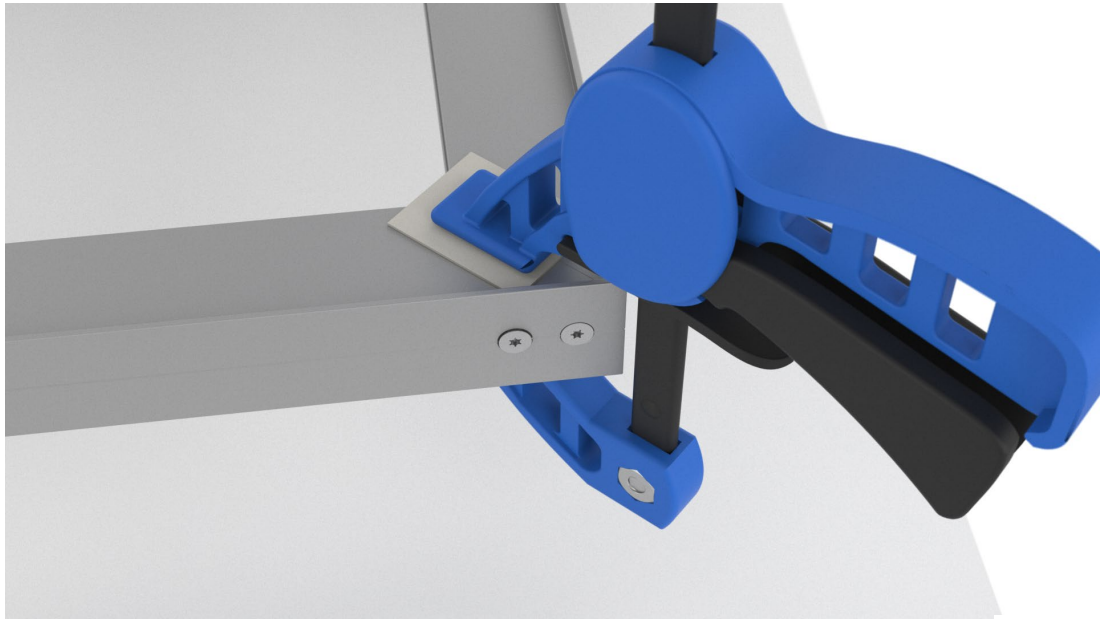




Adjust corner alignment by tightening the screws one by one.

This will take some practise and is a trial and error process to get it perfect!

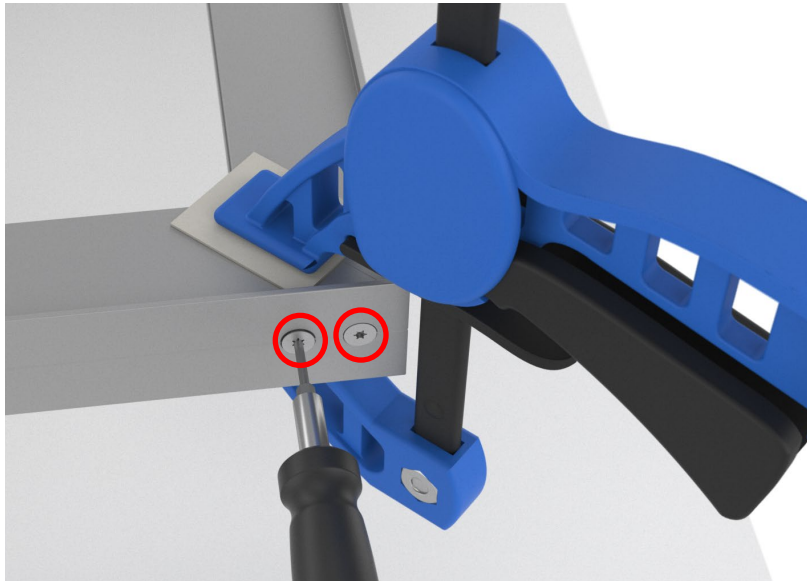


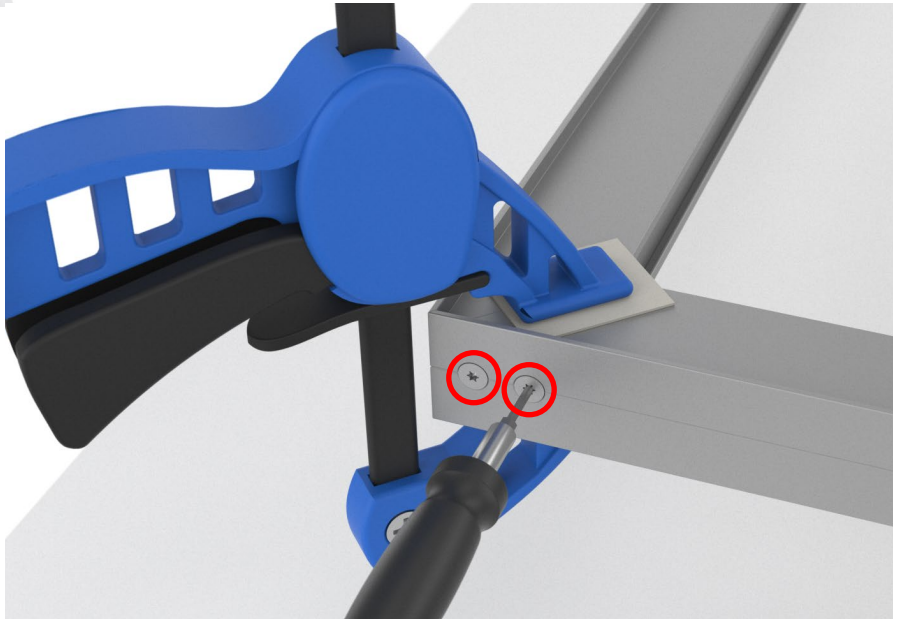


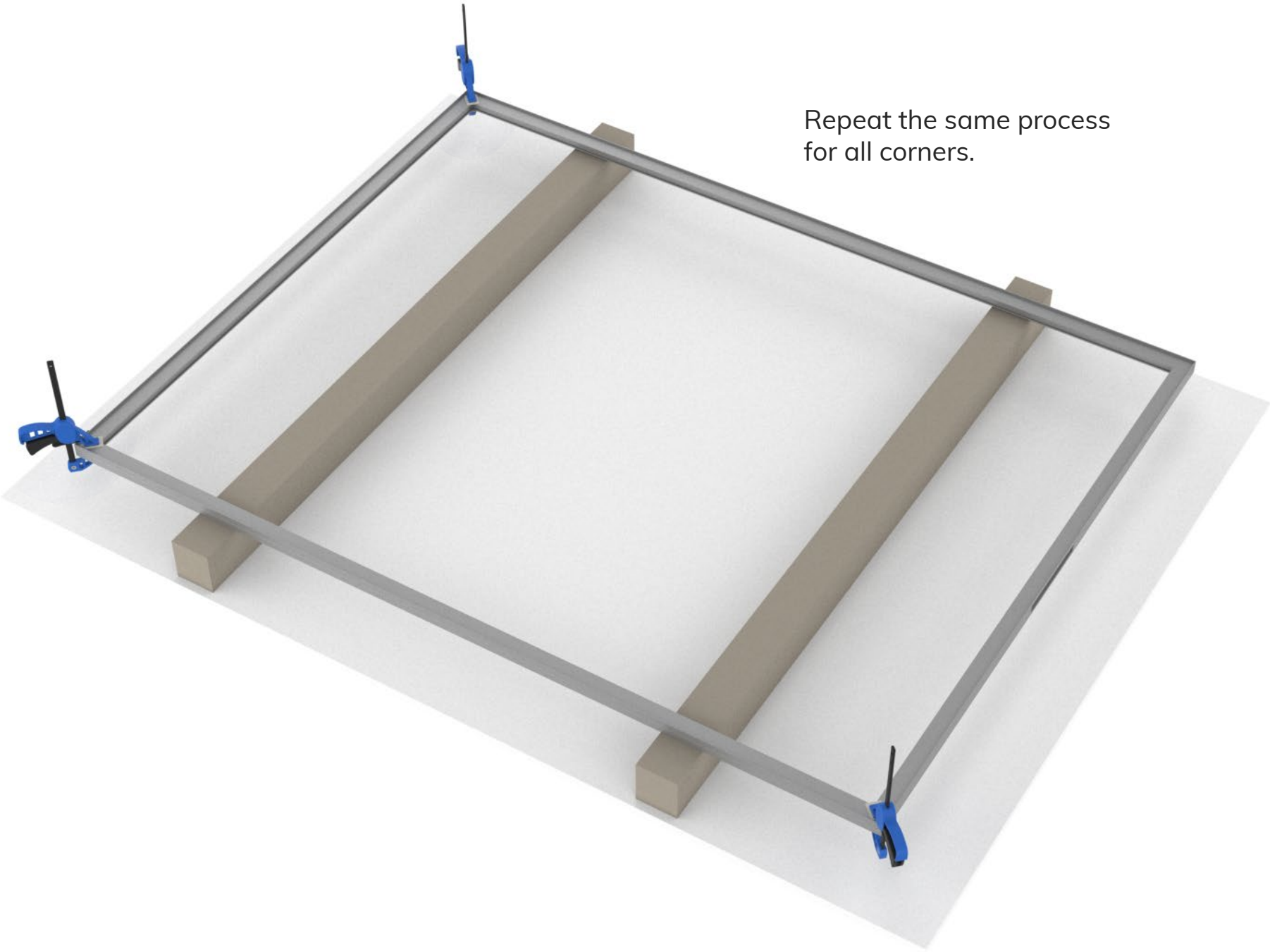
Before tightening all screws, prevent vertical shifting using a quick grip tool.

Protect profiles against scratches.

Tighten all screws while maintaining a perfect corner alignment using a quick grip.

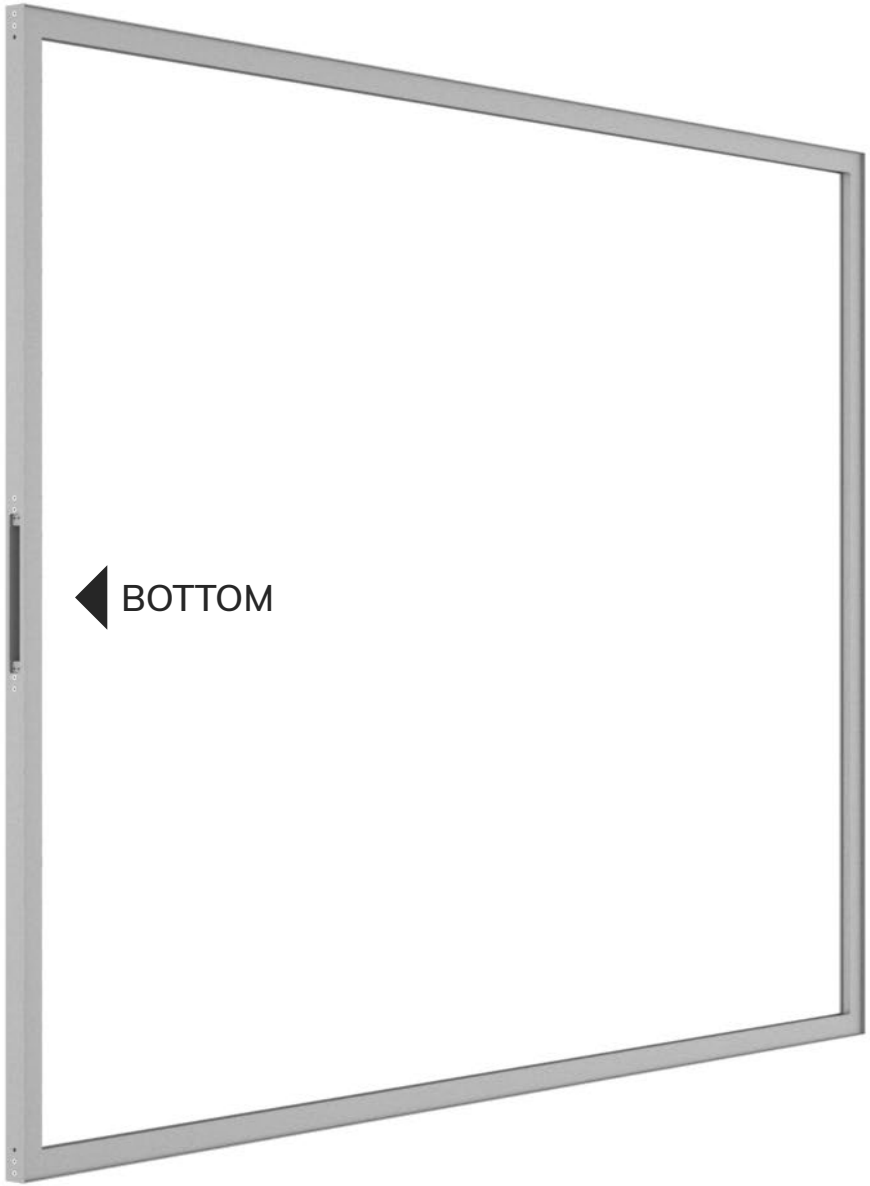


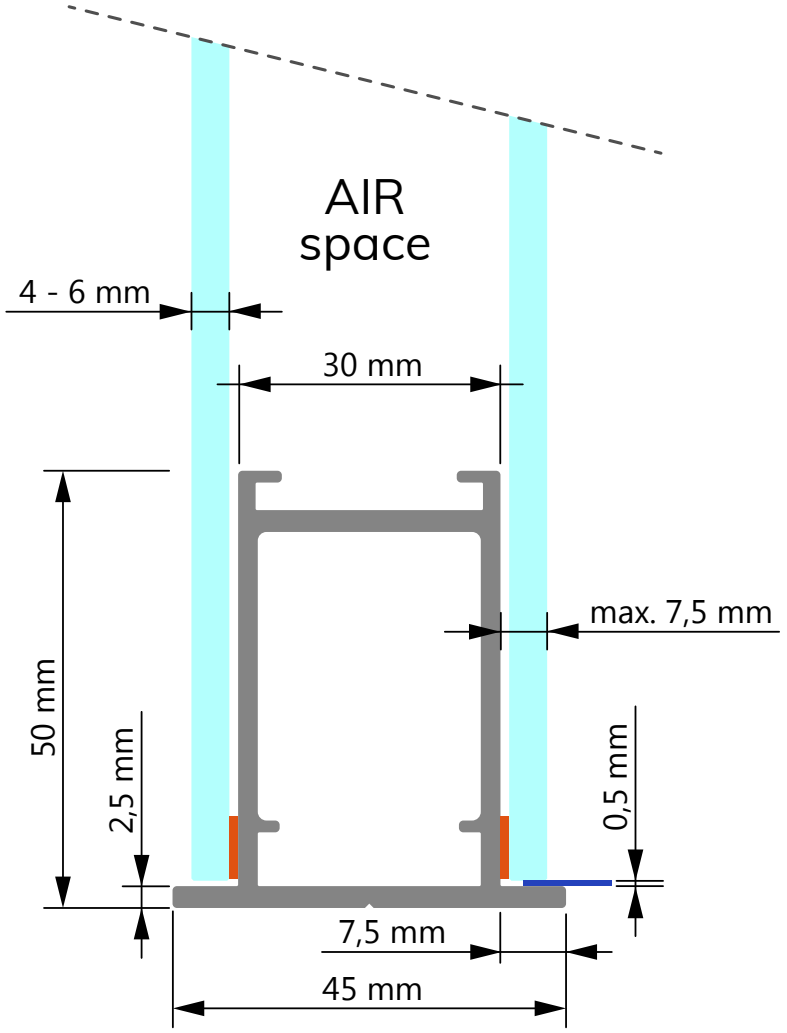




Repeat the same process
for all corners.

Door assembly- Safety glass





Safety glass 4 or 6 mm

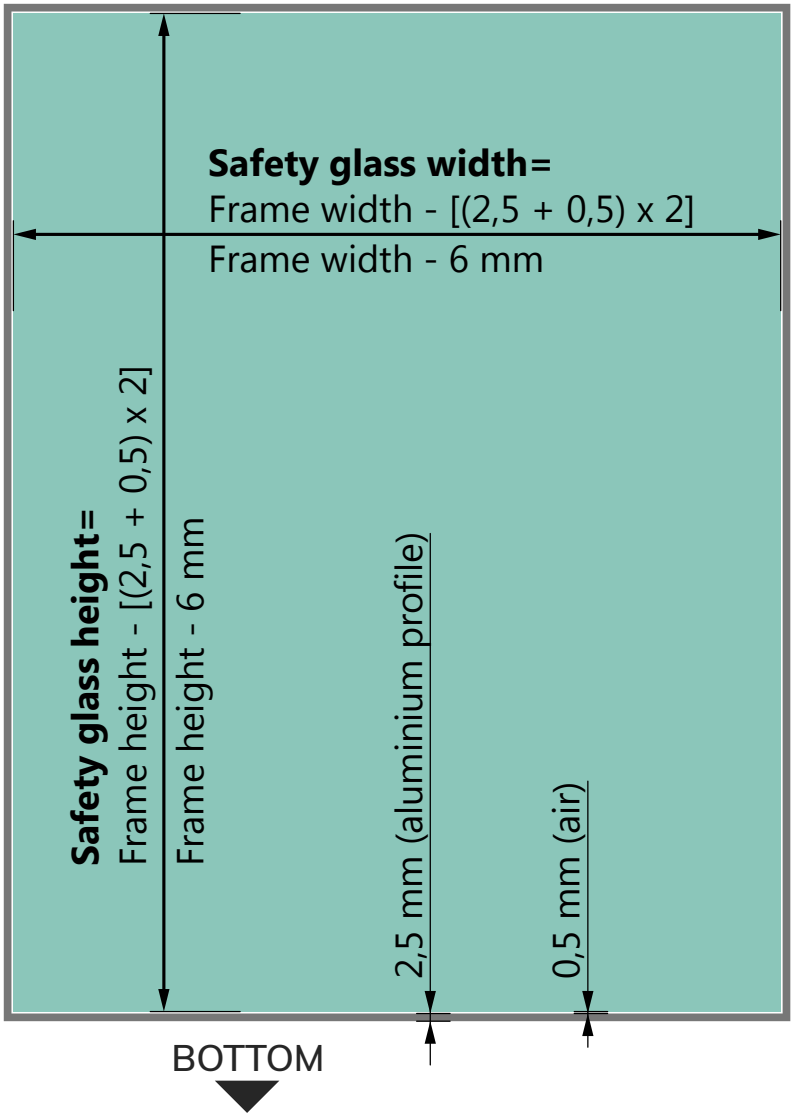
Double sided 3M tape:

Transparent VHB DT4910 3009-4 (=9x1,15 mm)
Transparent VHB DT4910 3019-4 (=19x1,15 mm)
Grey VHB DT4655 3009-4 (=9x1,5 mm)
Grey VHB DT4655 3019-4 (=19x1,5 mm)

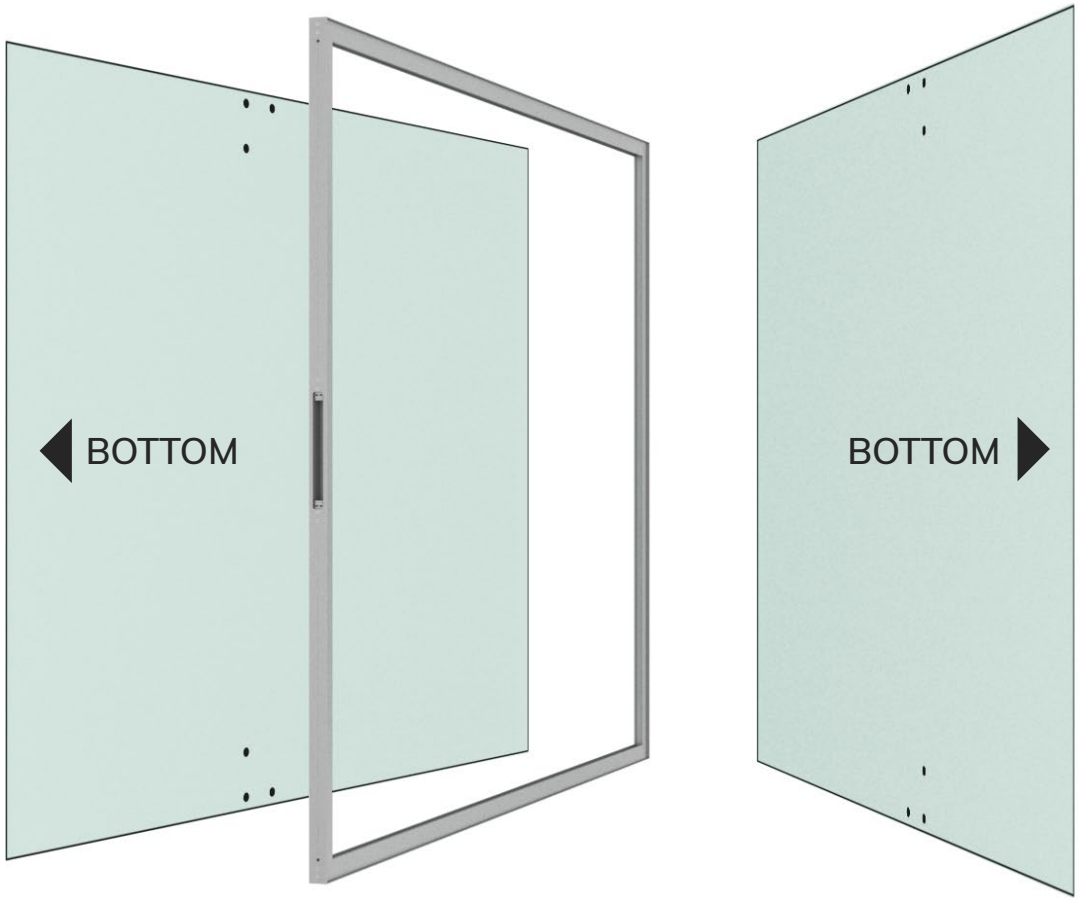
Guide spacer

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Safety glass dimensions:

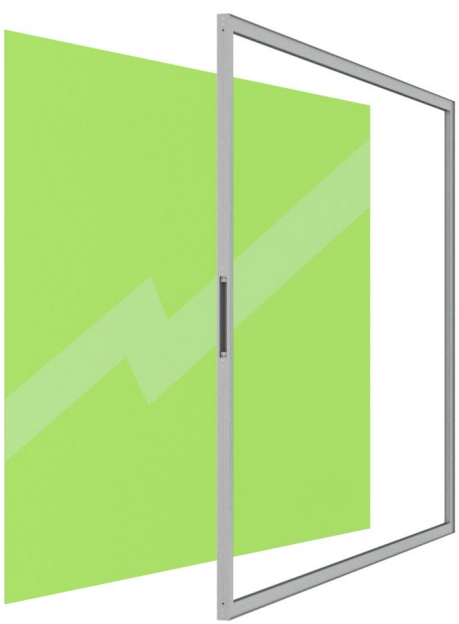


Define top and bottom side if panels have pre-drilled holes for handles.



5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

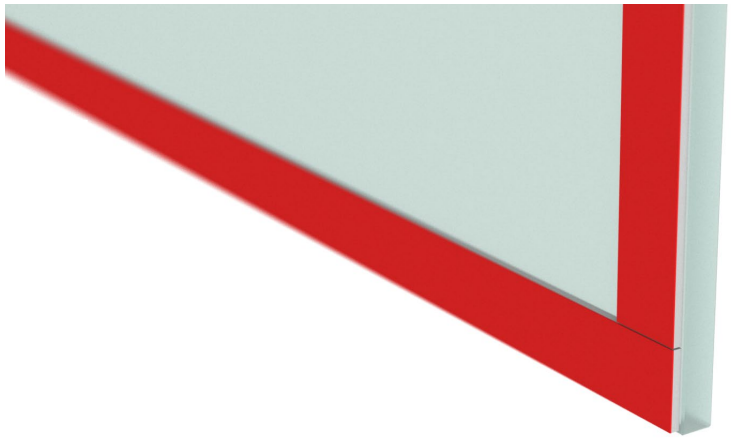
Clean the entire inside face of each glass panel

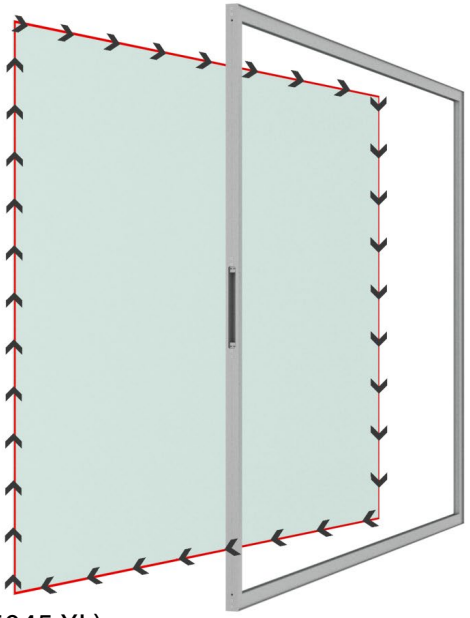


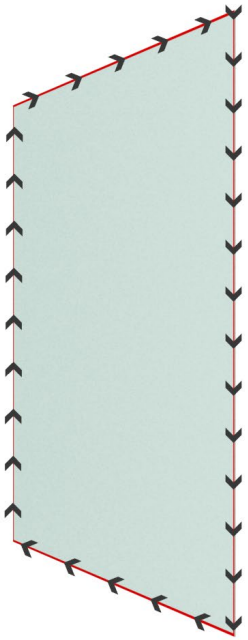
Never install the structured side of the glass inwards! Tape will not stick well

Degrease the frame and the tape region of the glass

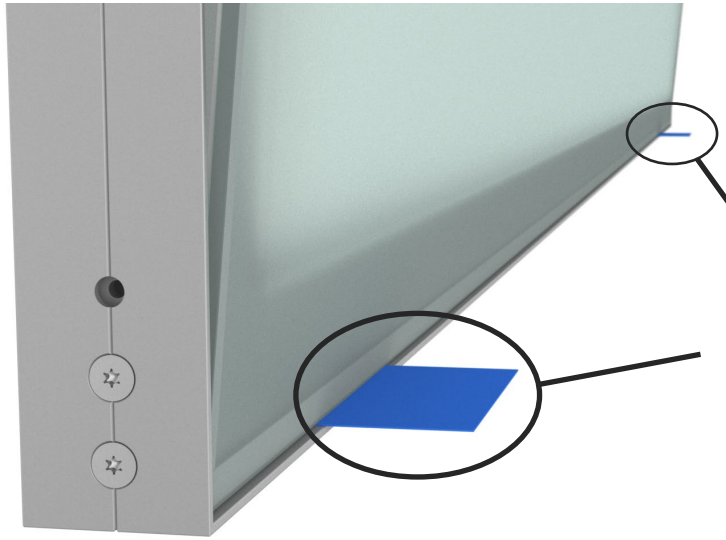
Apply double sided 3M tape all the way around



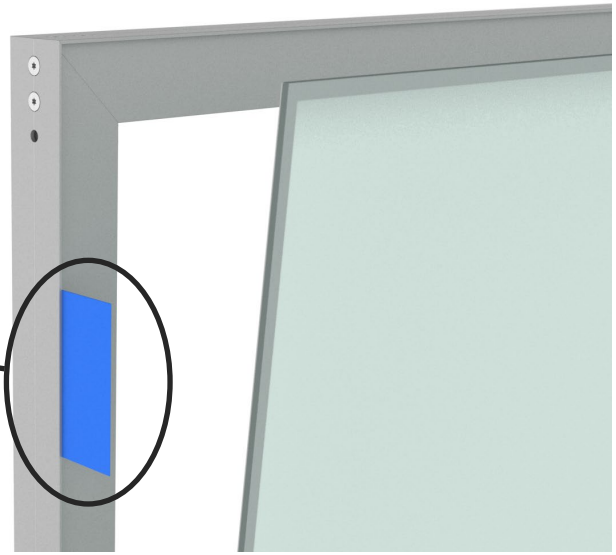


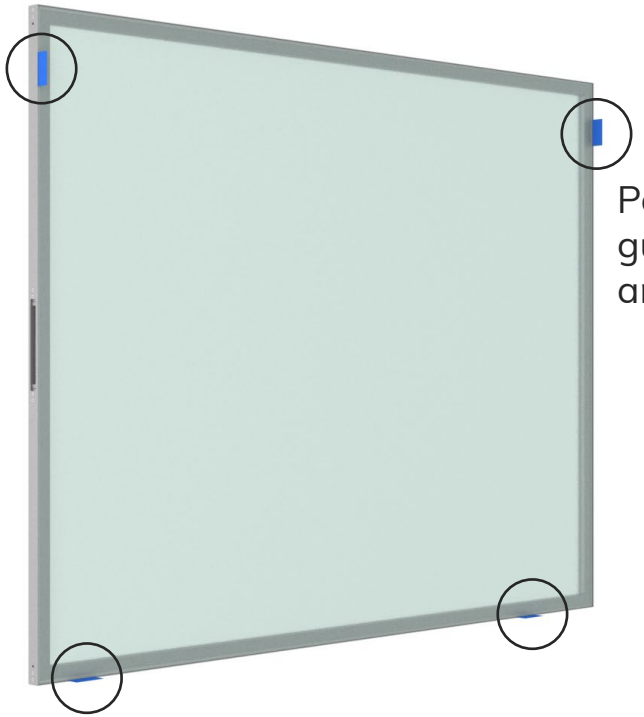


5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)



Use 0,5 mm spacers to better guide the panel during door assembly, and to keep a constant joint between panel and frame.

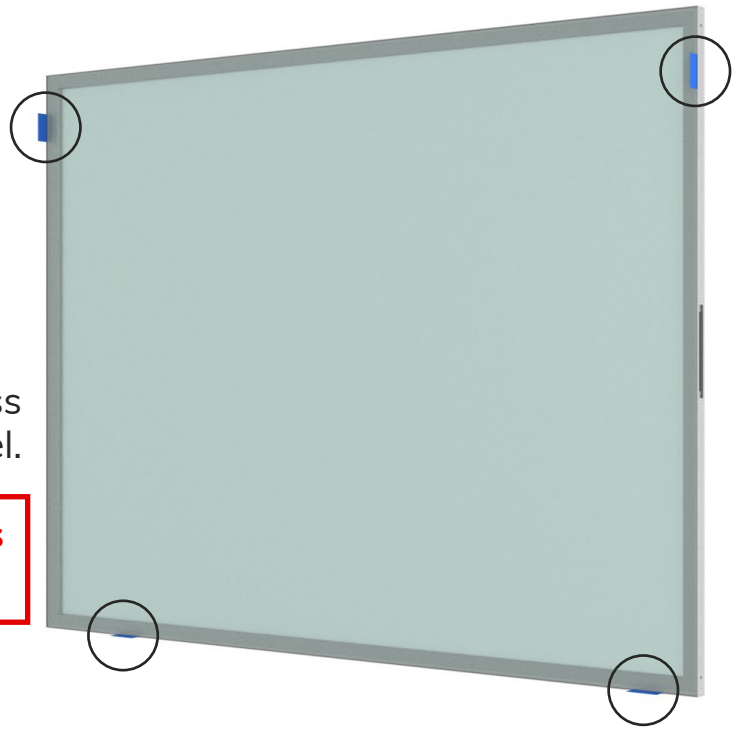




Position the panel using the guides for a perfect alignment and panel positioning.

Repeat the same process for the second panel.

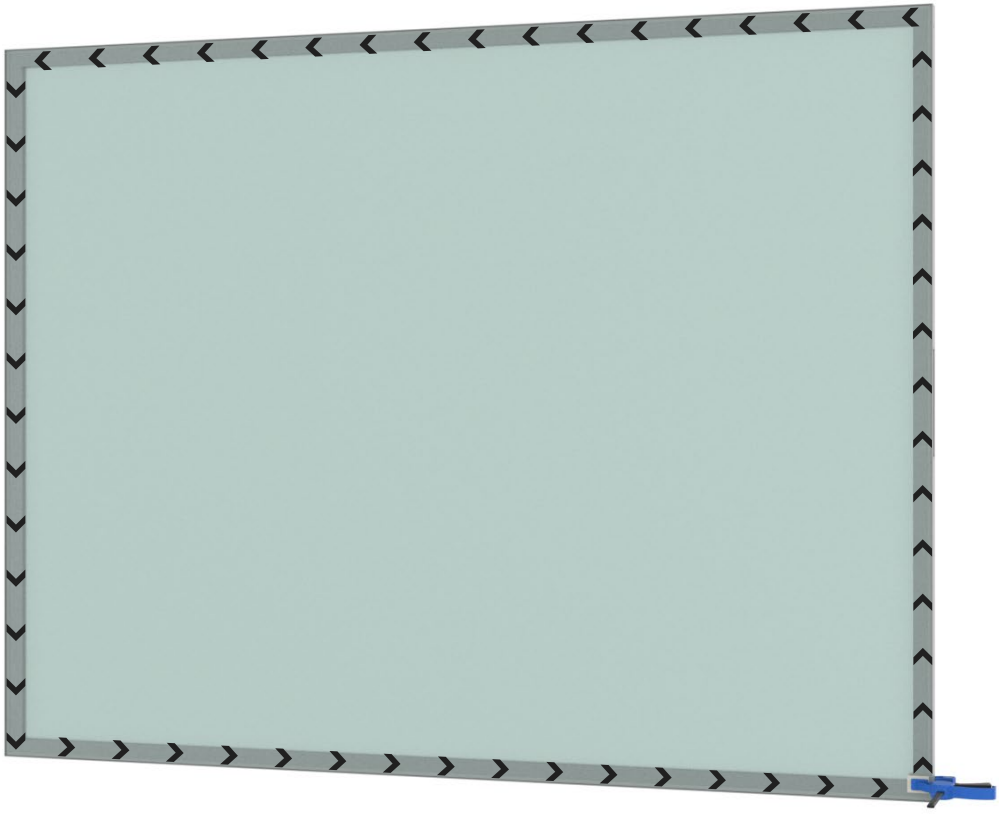
Beware for dust particles in between the panels!



5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Firmly press both sides together, for example using a quick grip tool

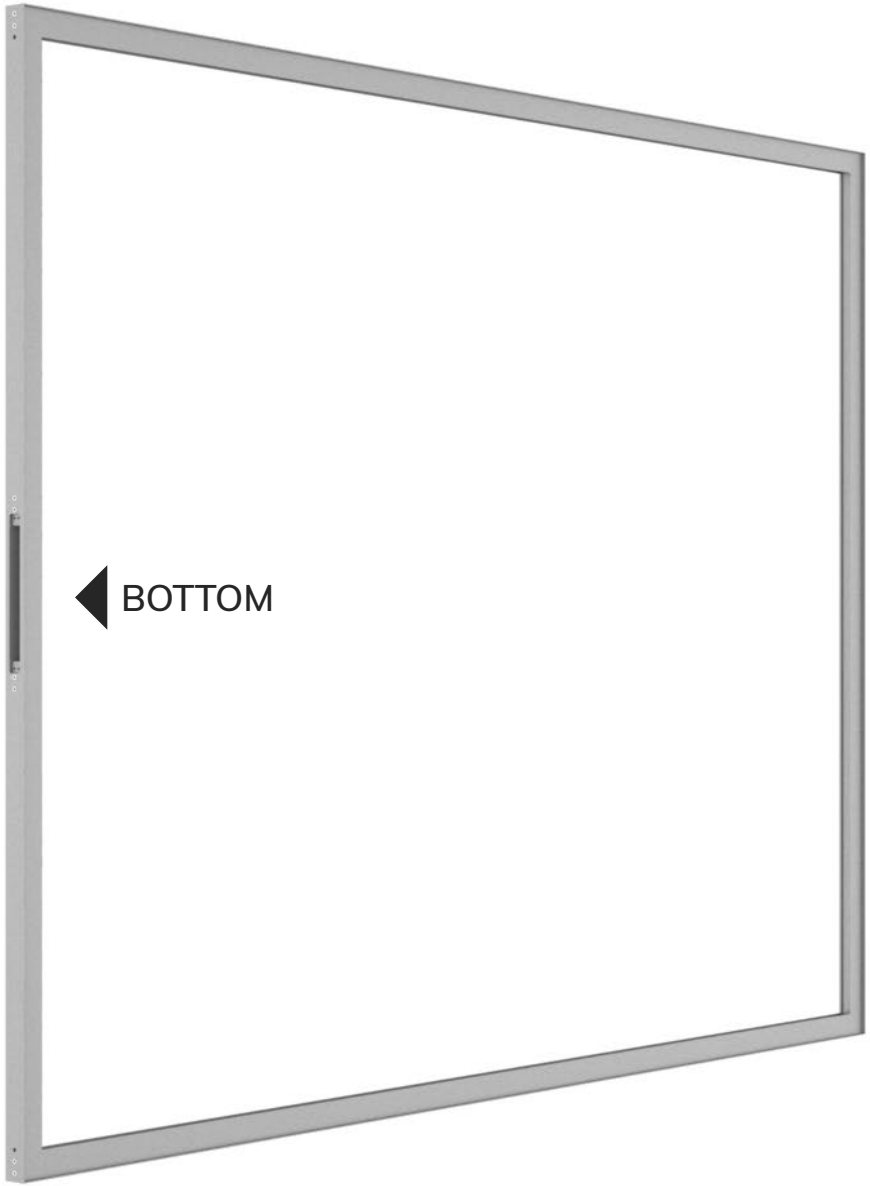
Protect the glass

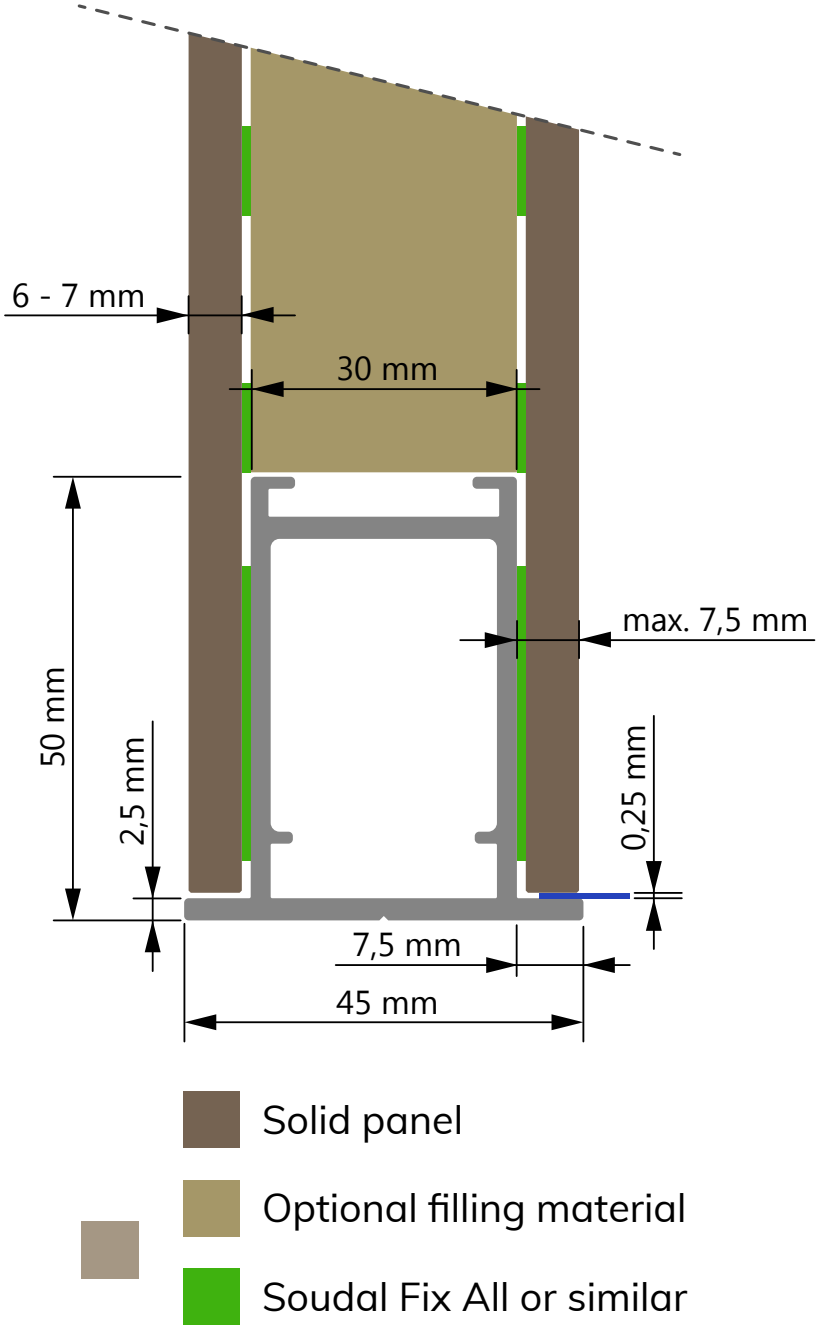


Work your way all around

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

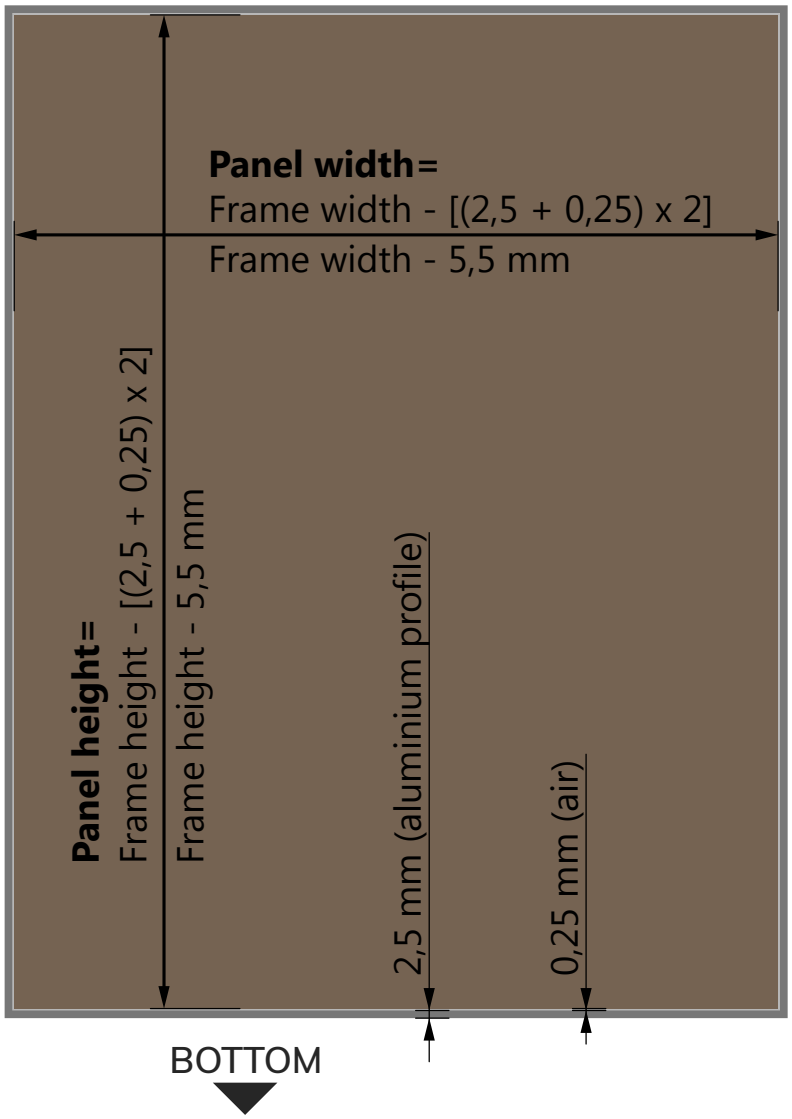
Door assembly- Solid panels





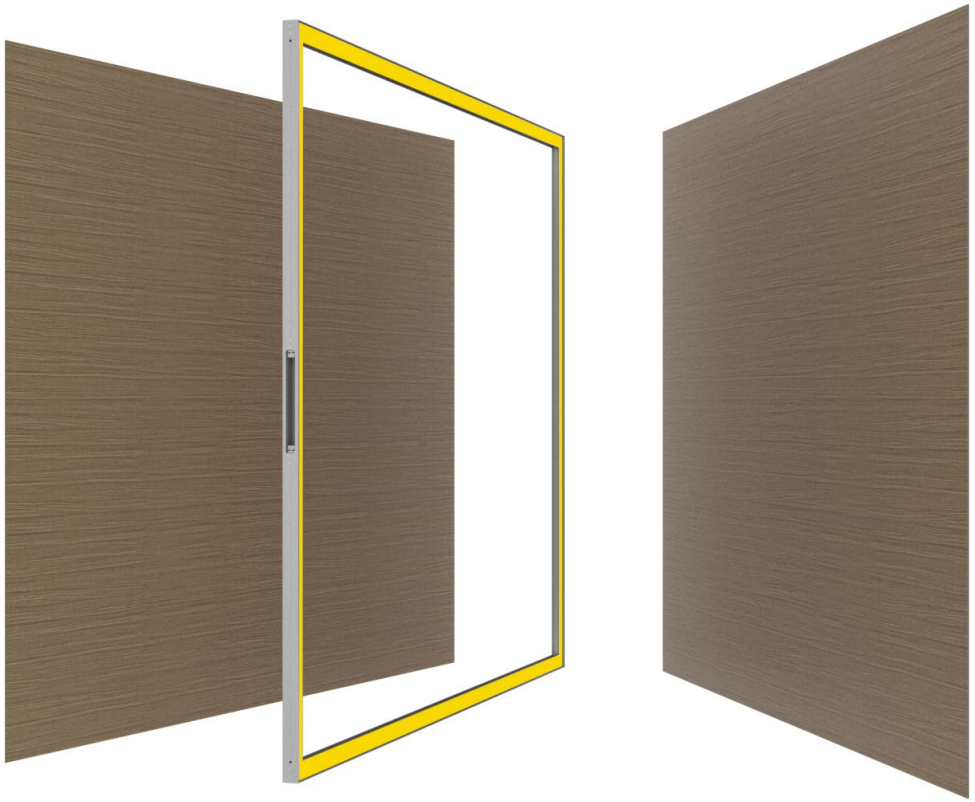
5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Panel dimensions:



Define top and bottom side if panel has pre-drilled holes for handles.

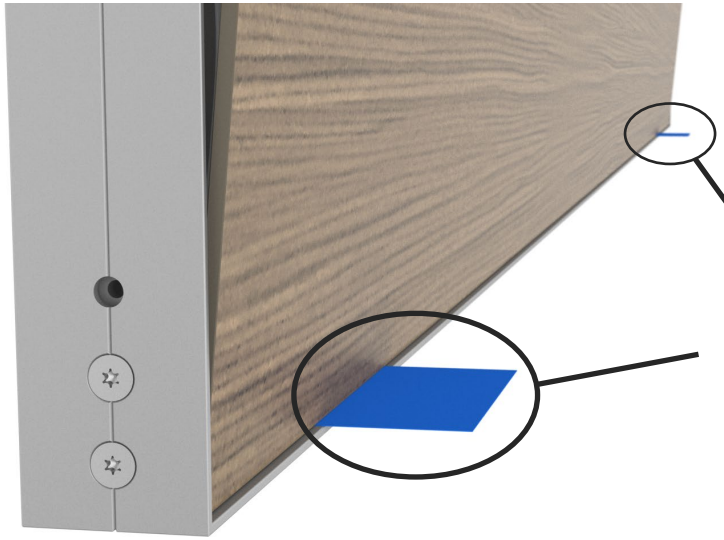
5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)



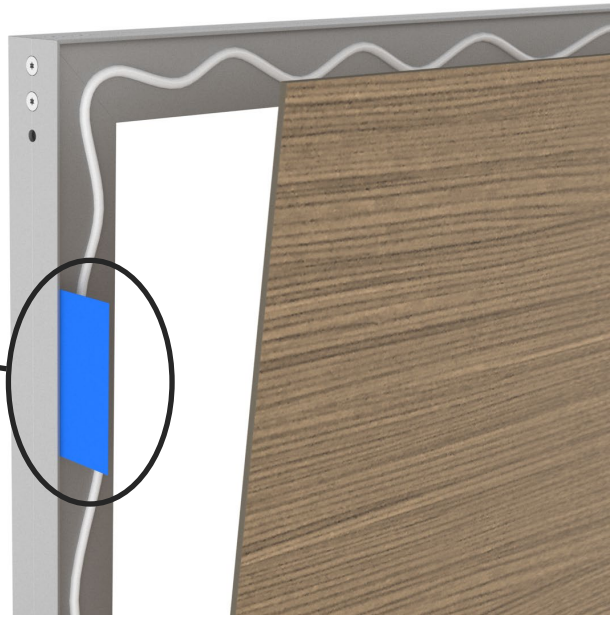
Degrease the frame and panels.

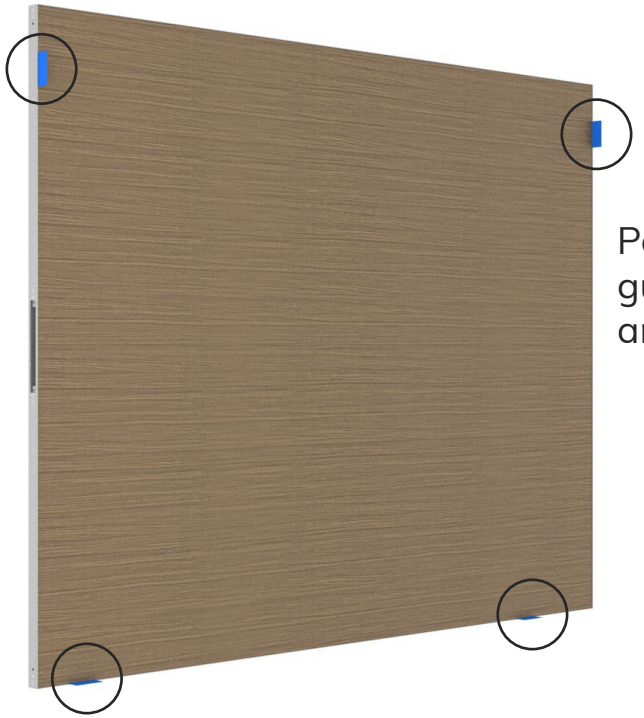
Apply Fix All (Soudal) to the 5045 frame.

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)



Use 0,5 mm spacers to better guide the panel during door assembly, and to keep a constant joint between panel and frame.



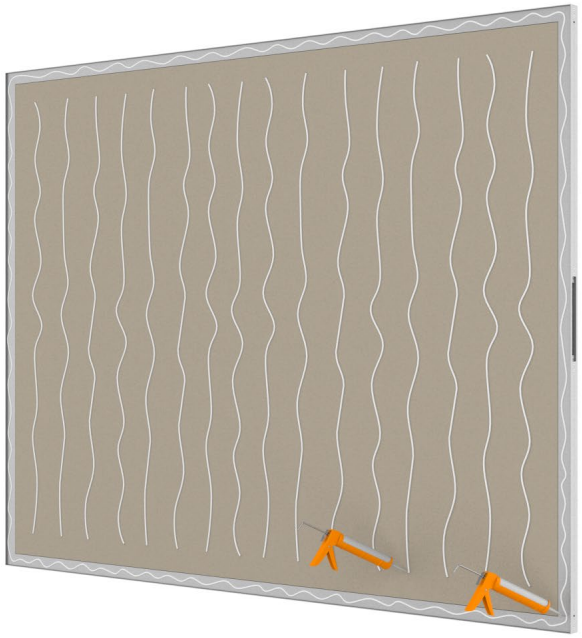


Position the panel using the guides for a perfect alignment and panel positioning.

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Panels can be installed with or without optional filling material in between. (beware for deformation)

When using filling material, use Fix All (Soudal) to bond panels.



Apply Fix All on the 5045 frame and filling material.

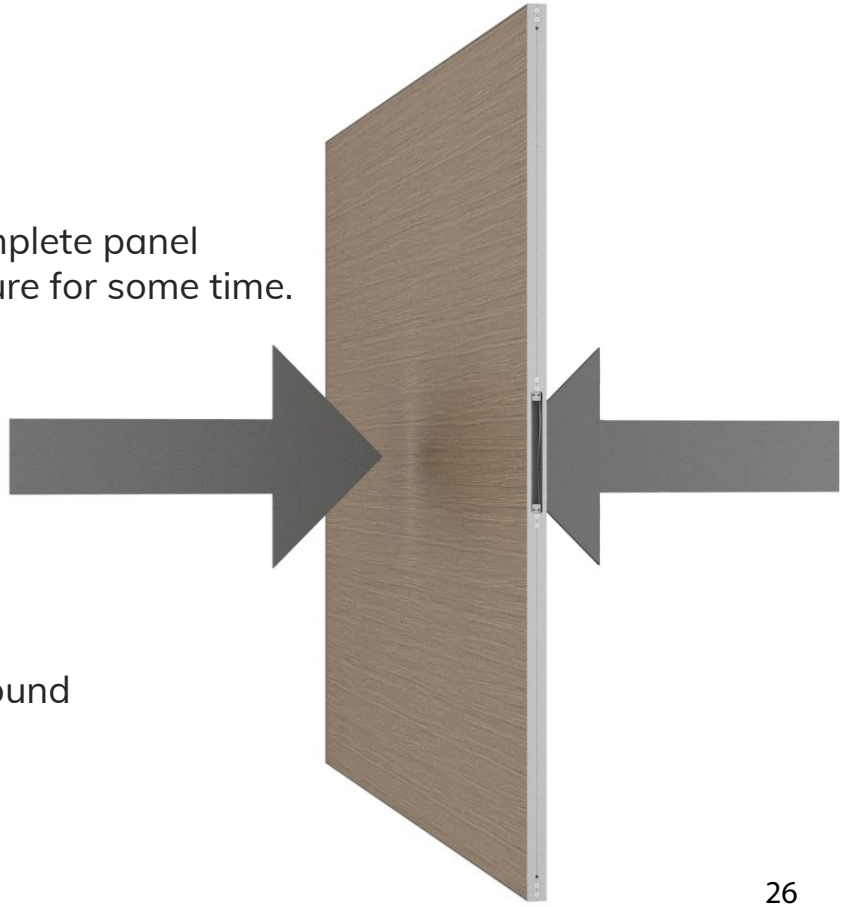
Repeat the same process for the second panel.

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Firmly press both sides together,
for example using a quick grip tool.

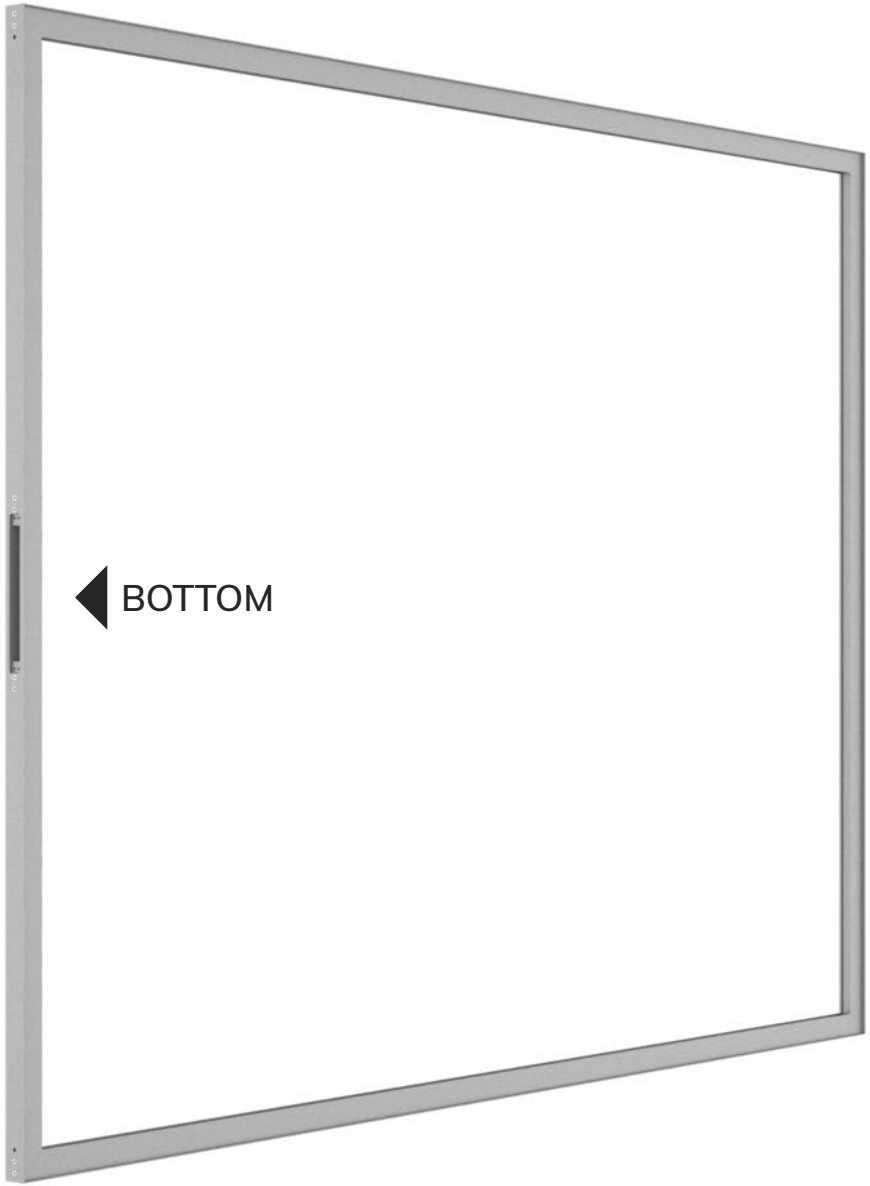
Work your way all around

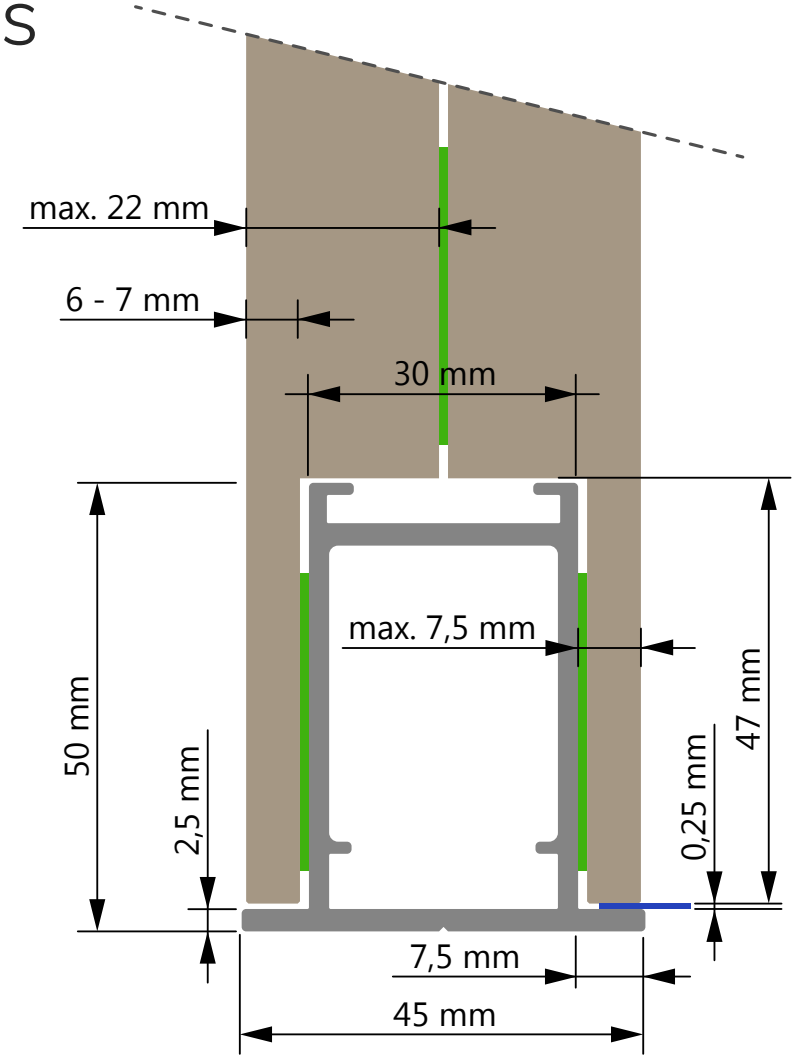
Also put complete panel
under pressure for some time.



5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Door assembly- Massive panels



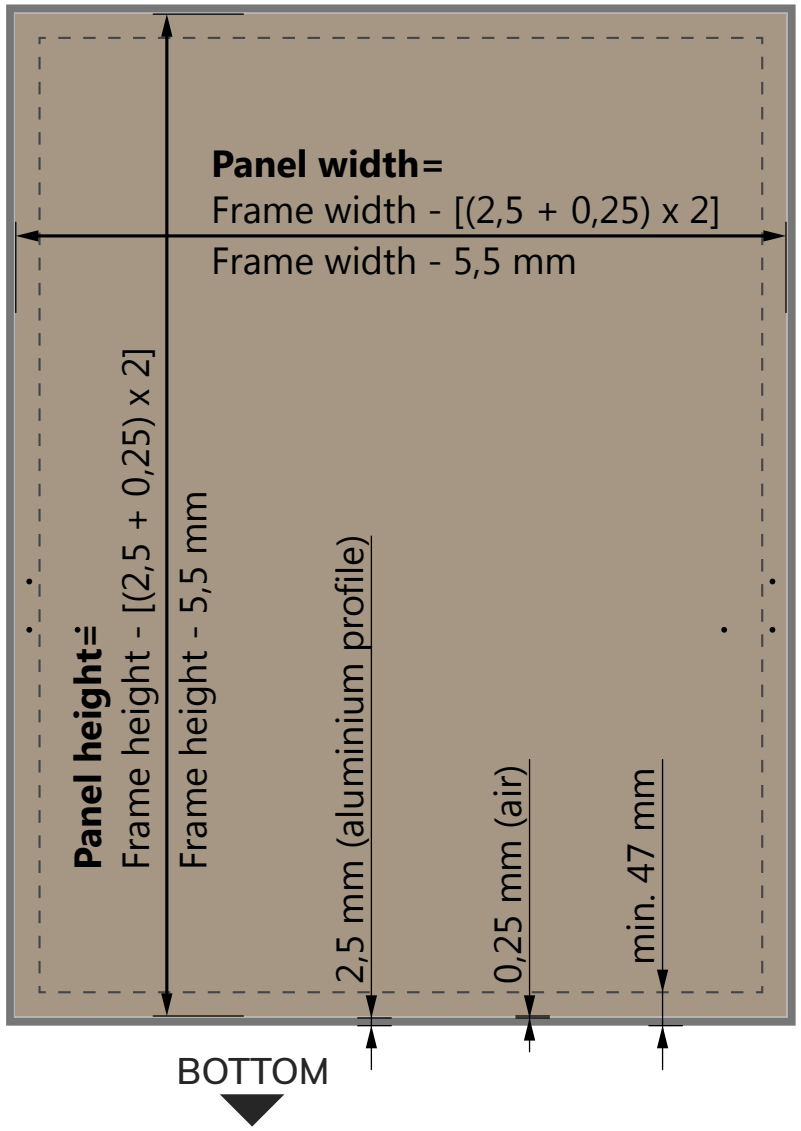


Massive panel

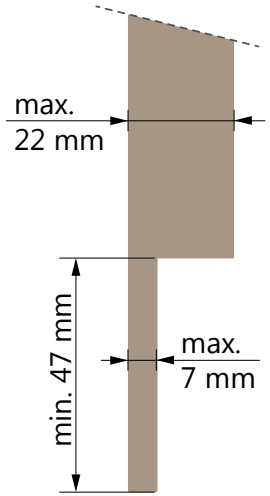
Soudal Fix All or similar

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

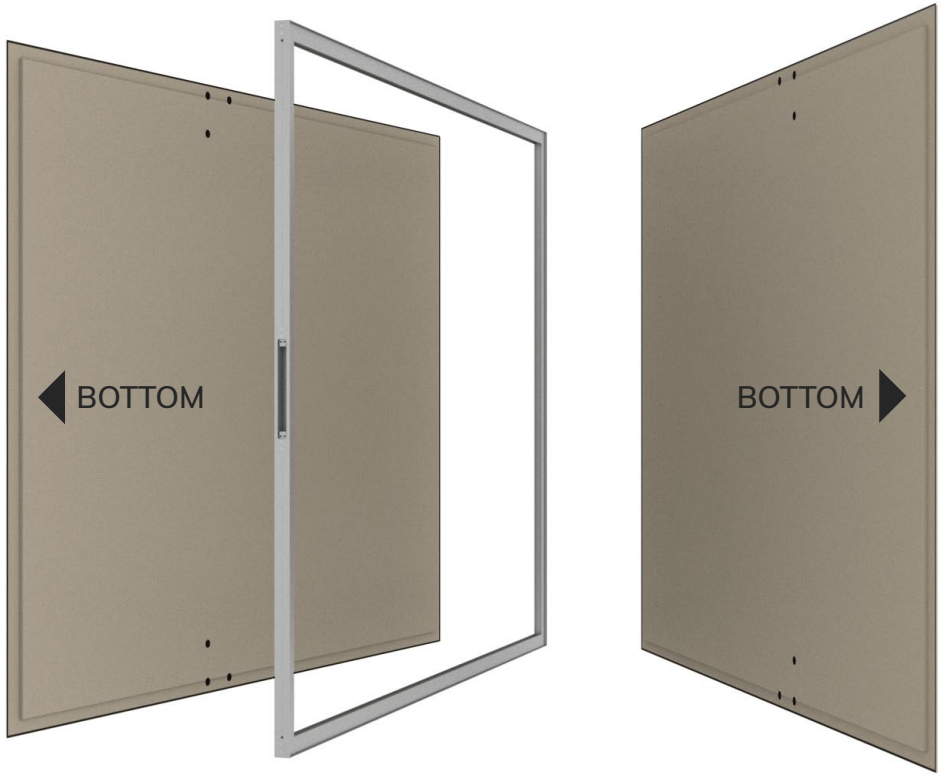
Panel dimensions:



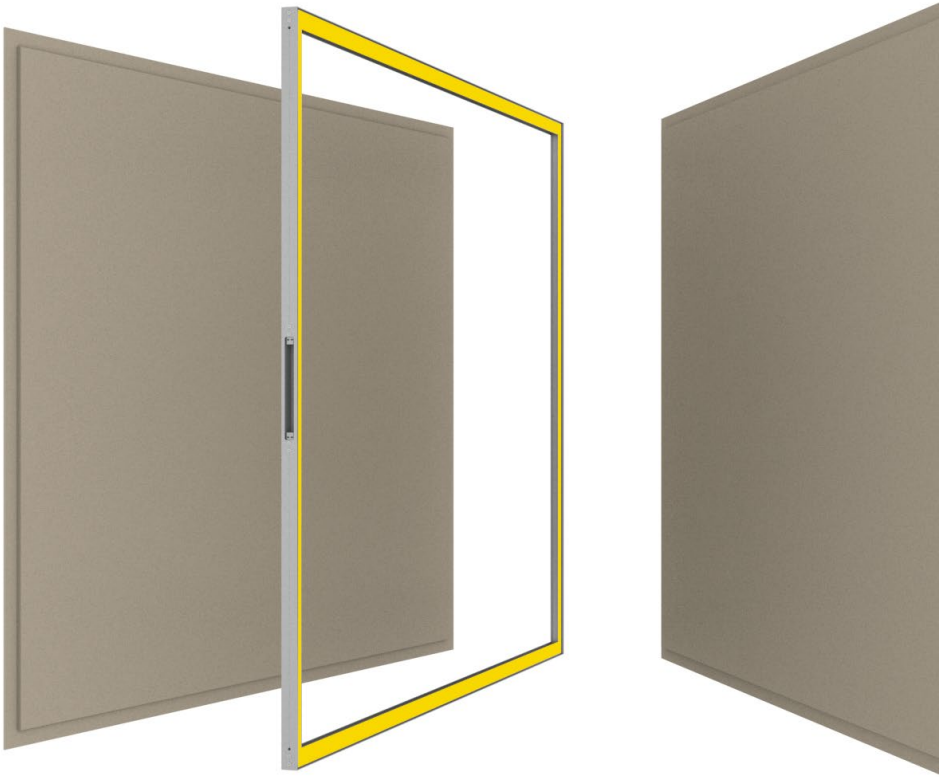
Panel detail:



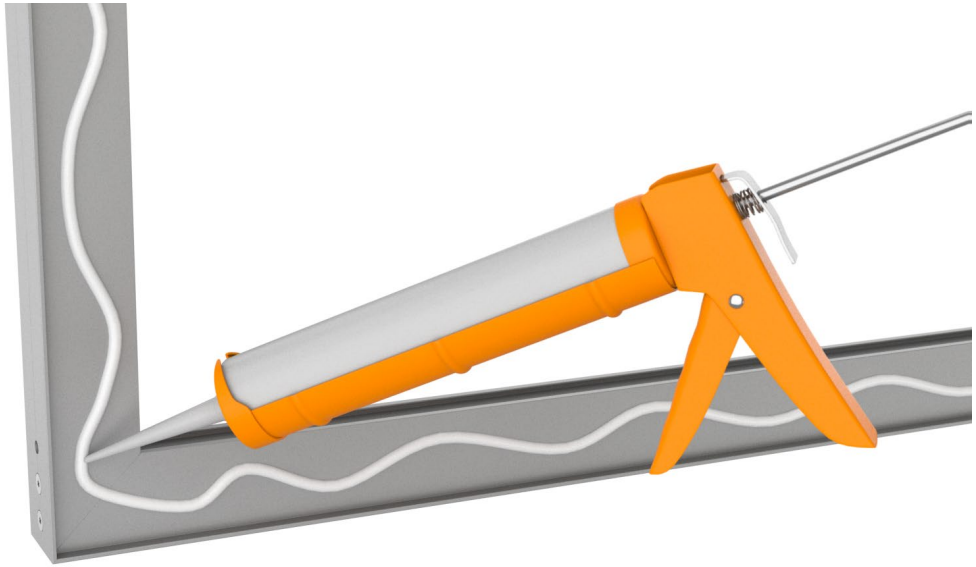
Define top and bottom side if panel has pre-drilled holes for handles.



5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

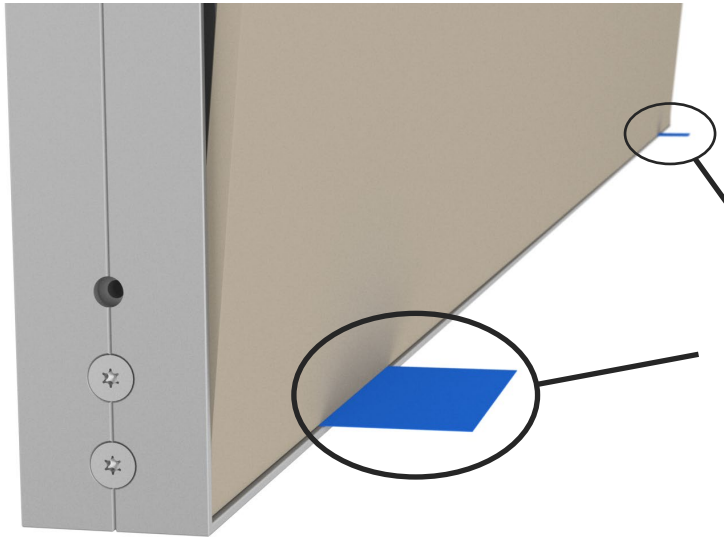


Degrease the frame and panels.

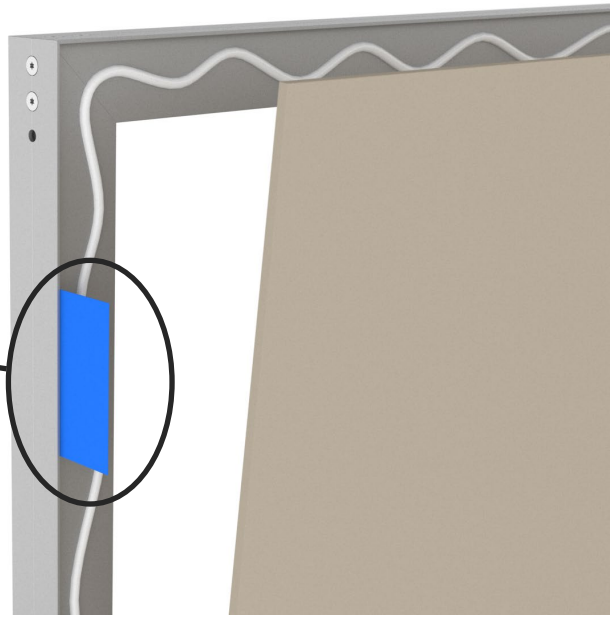


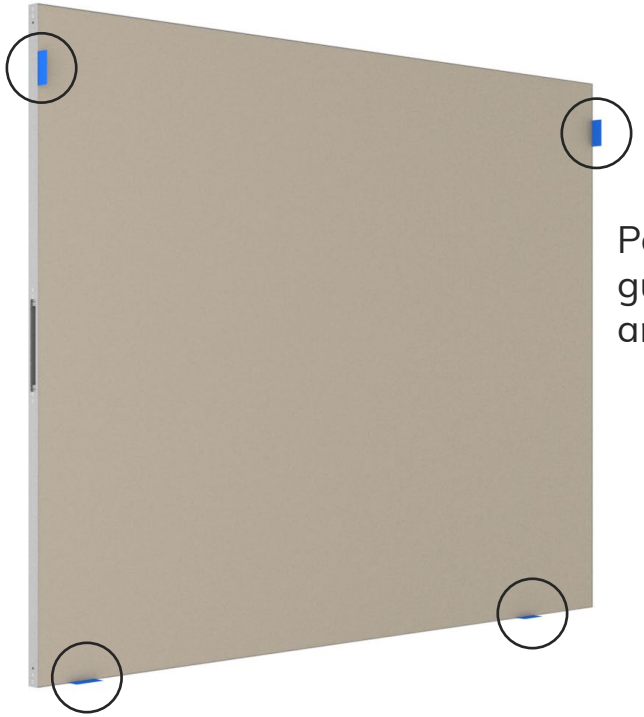
Apply Fix All (Soudal) to the 5045 frame.

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)



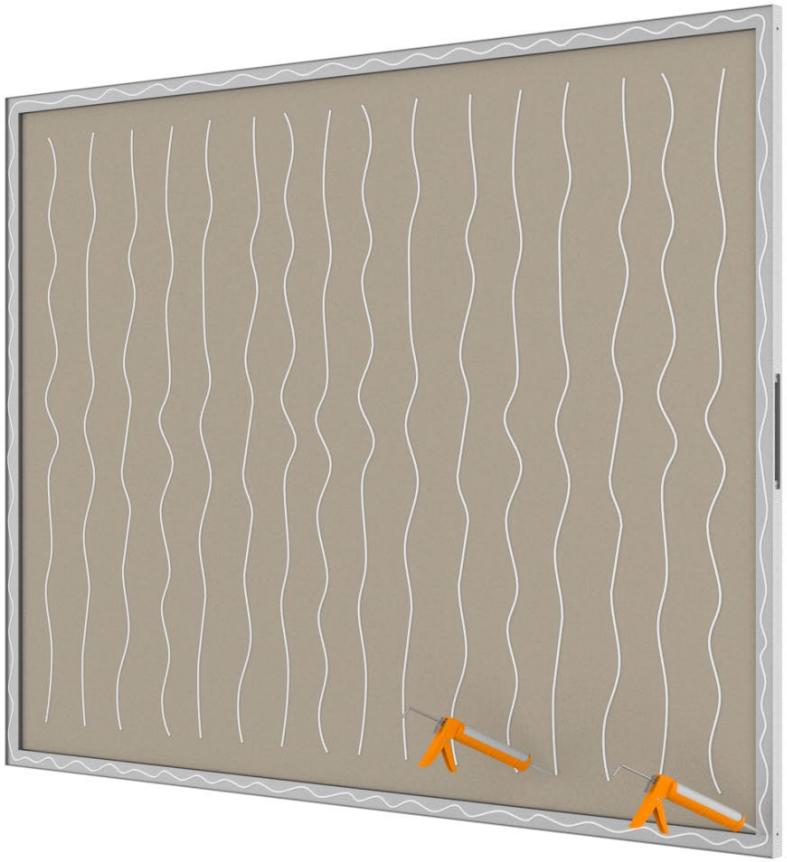
Use 0,5 mm spacers to better guide the panel during door assembly, and to keep a constant joint between panel and frame.



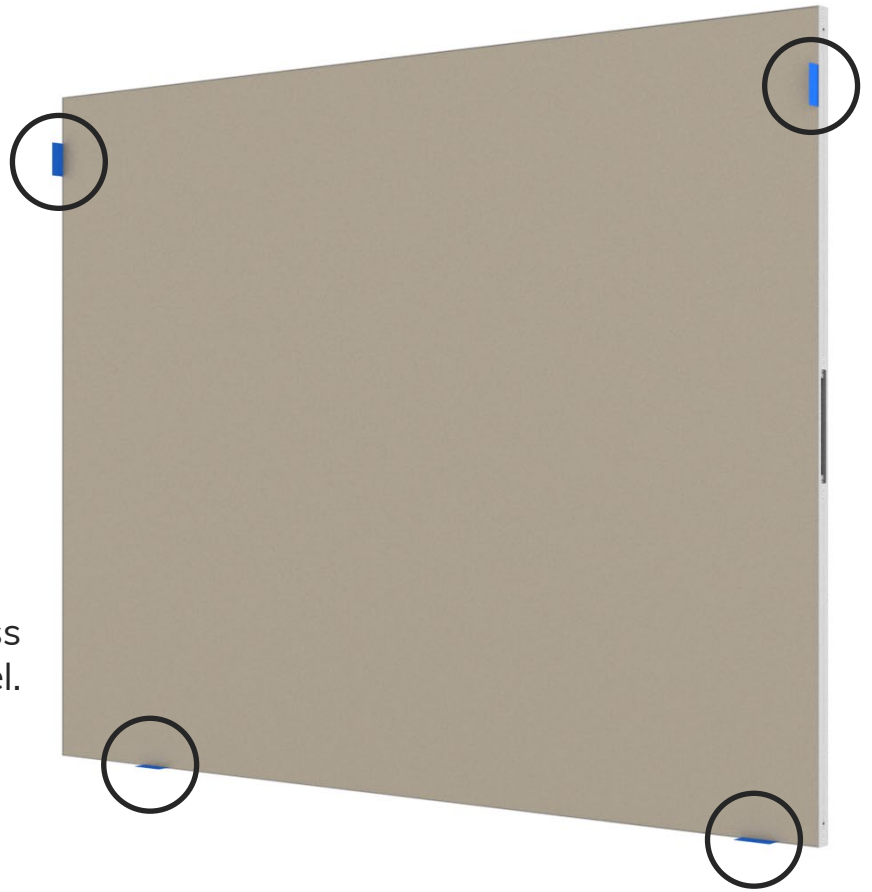


Position the panel using the guides for a perfect alignment and panel positioning.

5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)



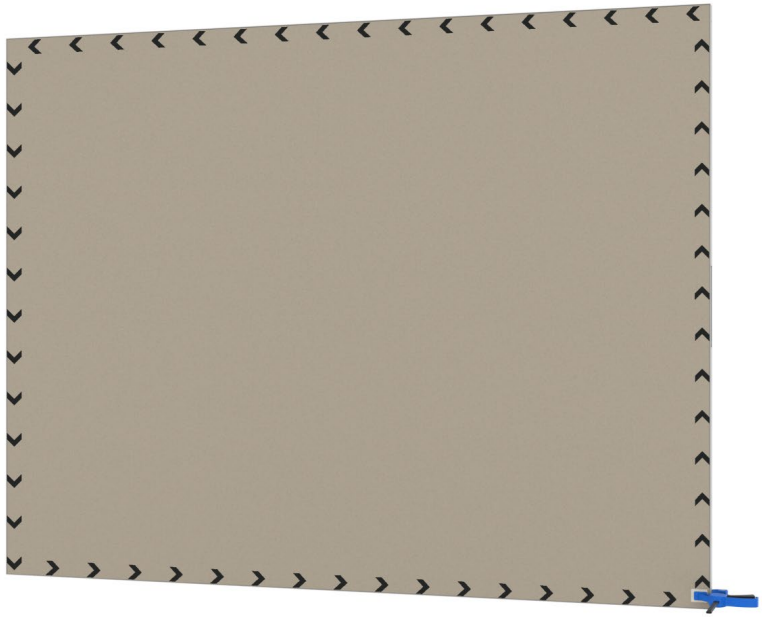
Apply Fix All on the 5045 frame and panel.



Repeat the same process for the second panel.

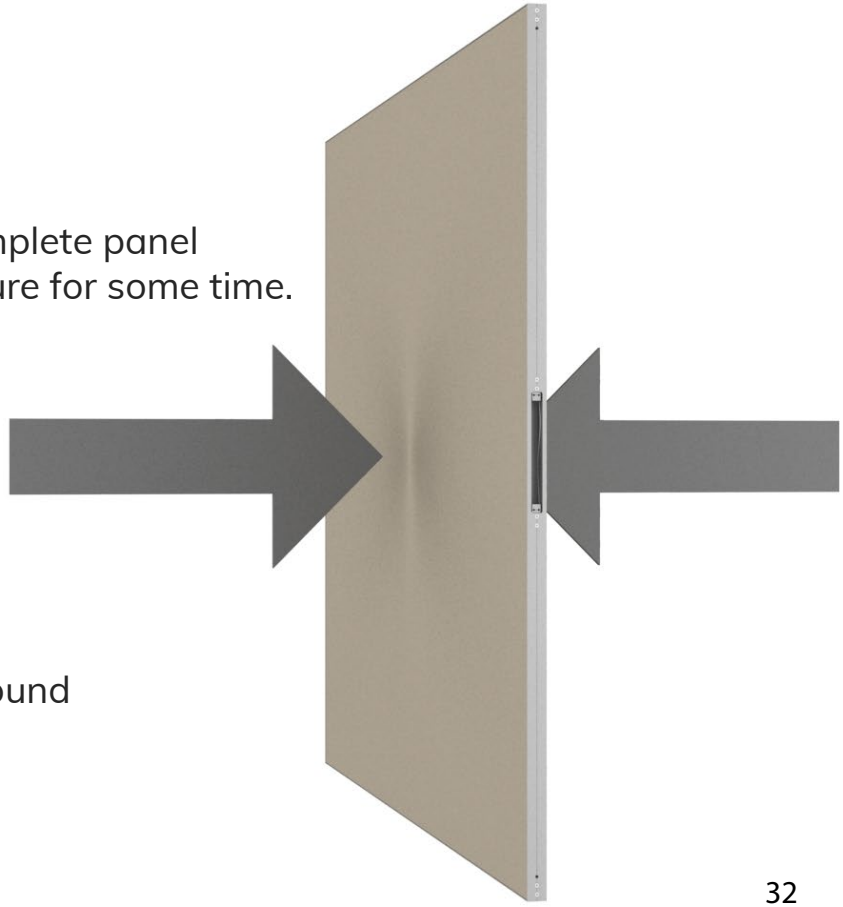
5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Firmly press both sides together,
for example using a quick grip tool.



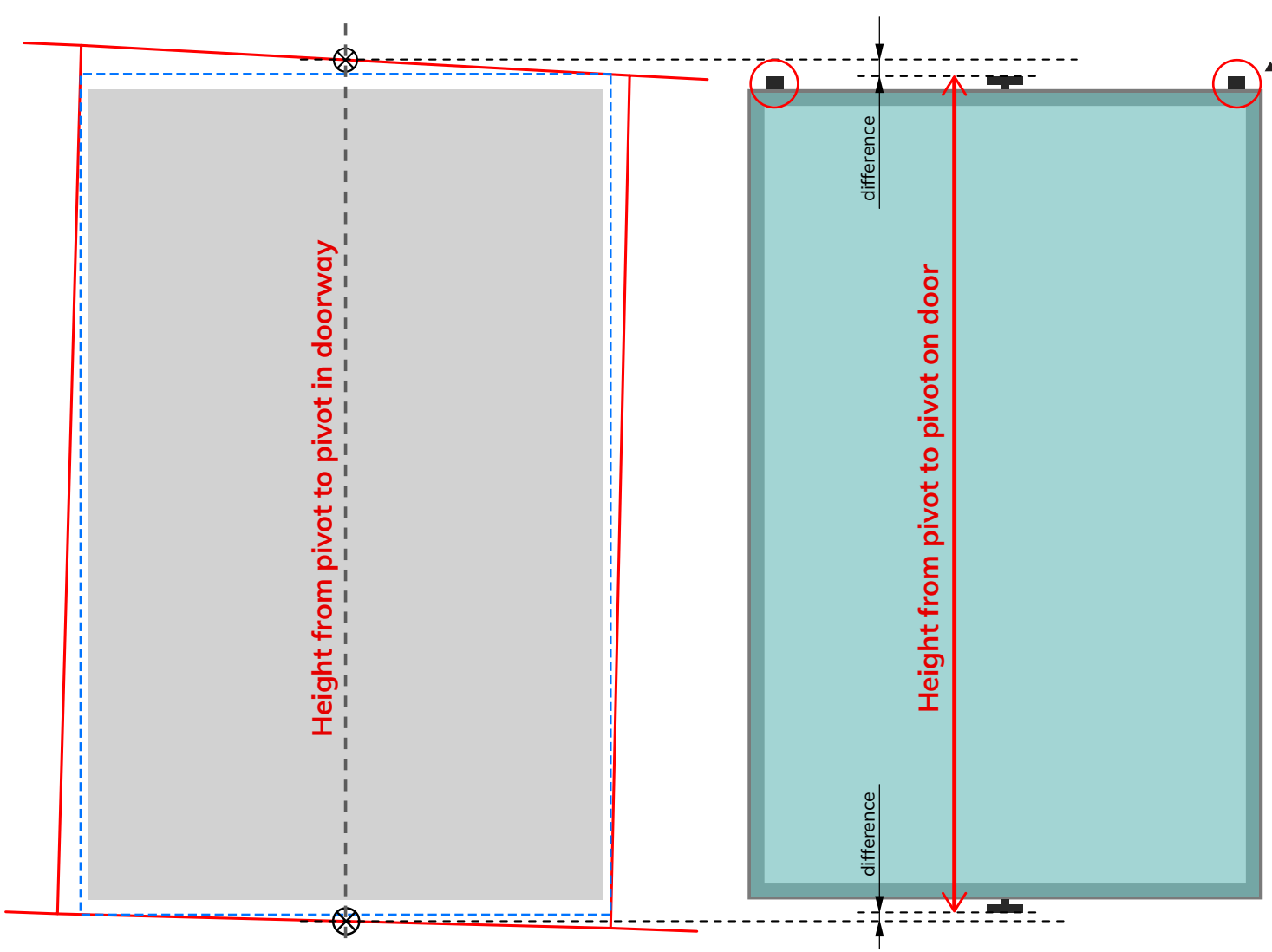
Work your way all around

Also put complete panel
under pressure for some time.



5045 XL and 5045 NL share identical assembly and installation steps (displayed = 5045 XL)

Synchronize pivot axis height in doorway



Check the pivot height of the door with the doorway measurements, and synchronize them if necessary.

There are different methods to do this, see following pages.

Adjust bottom hinge height

The default bottom joint dimension is 11 mm
(=distance between floor and door leaf edge).

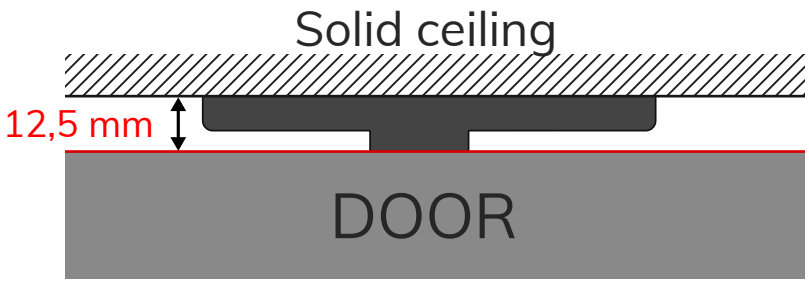
To increase the bottom joint, you have 2 options:

1. Use (supplied) shims between hinge and door leaf.
This is the preferred method for the bottom hinge.

2. Use supplied shims between floor and hinge
(= less stable).

Adjust top hinge height

The default top joint dimension is 12,5 mm (=distance between ceiling and door leaf edge). This is necessary for the optional 1-way accessory and positioning magnets

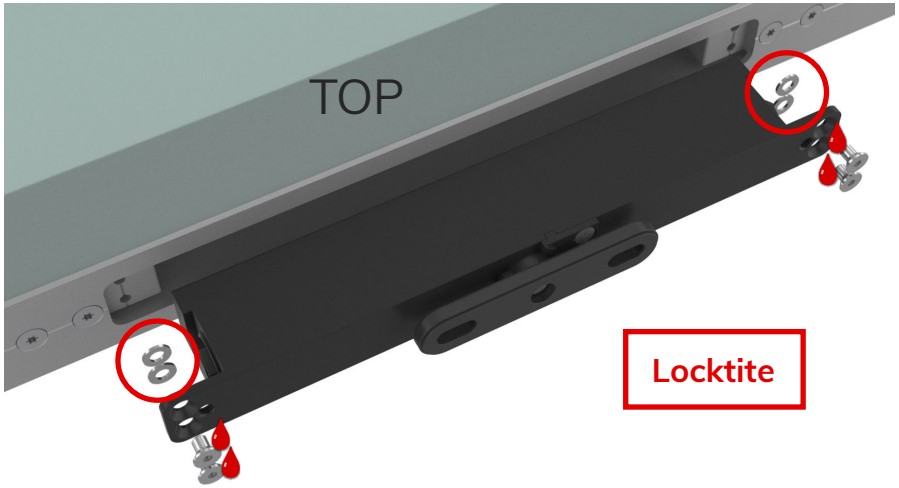


To increase the top joint, you have **3 options:**

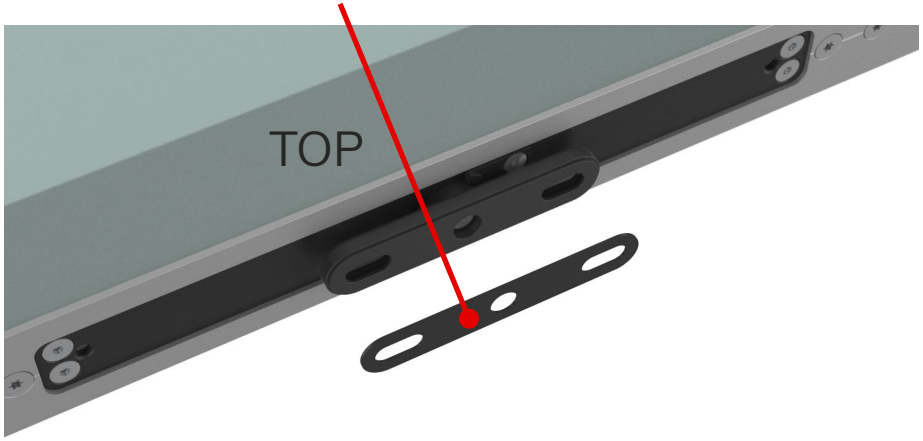
1. Adjust the inbus screws to move the hinge further away from the door leaf (loosen 4 screws first).

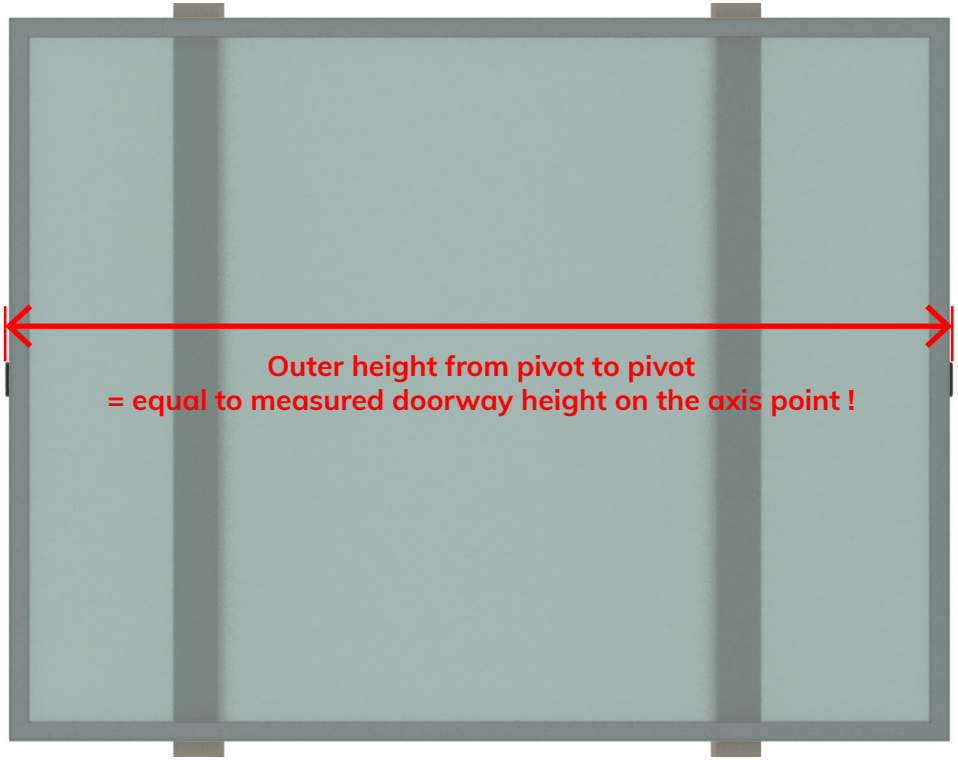
(only possible for non compressible door structures)

2. Use (supplied) shims between hinge and door leaf.



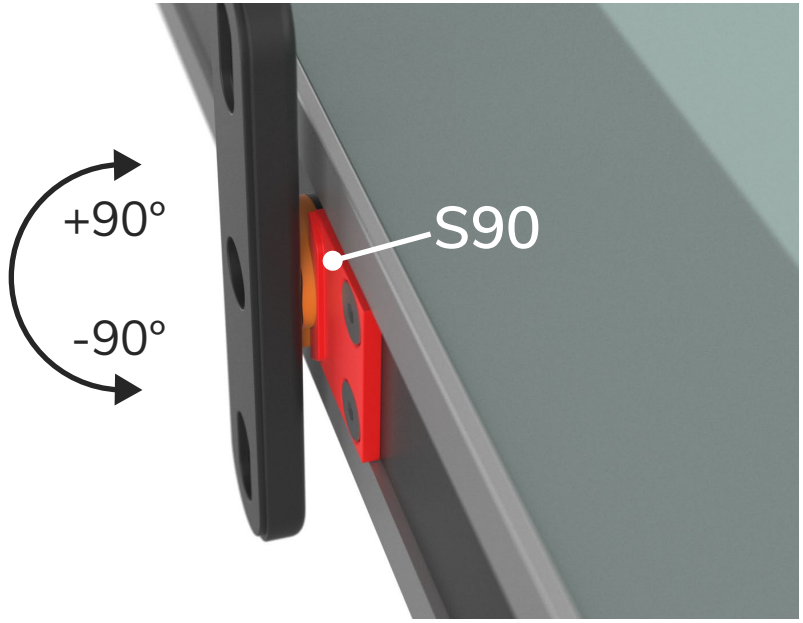
3. Use supplied shims between ceiling and hinge (= less stable is not preferred at the top hinge).



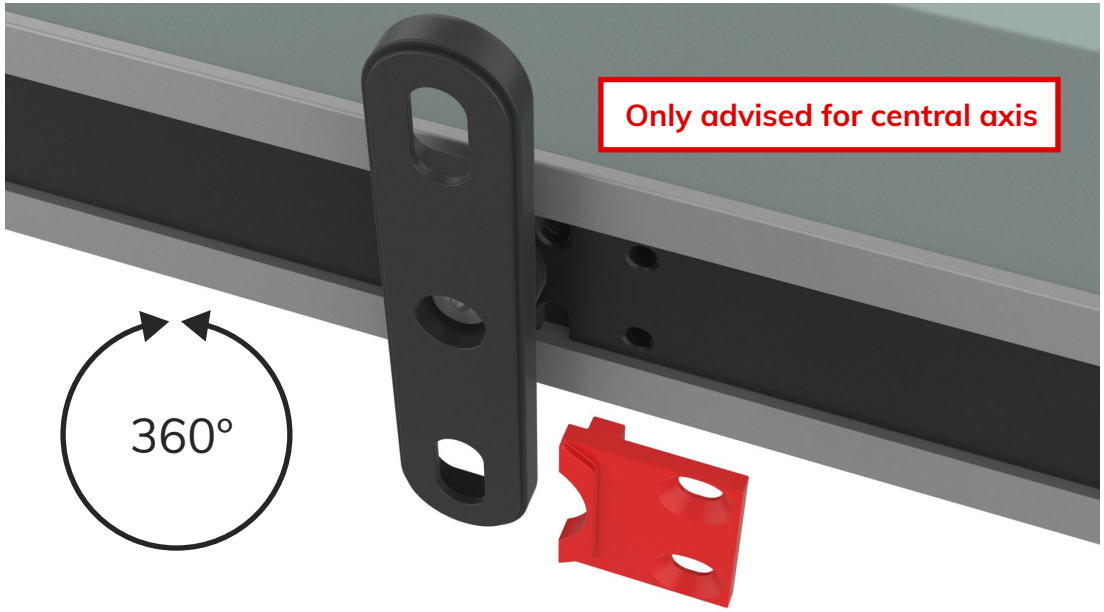


Double check the pivot to pivot distance with the measured doorway height at the axis point.

Fully tighten all marked screws when joint dimensions are as desired.

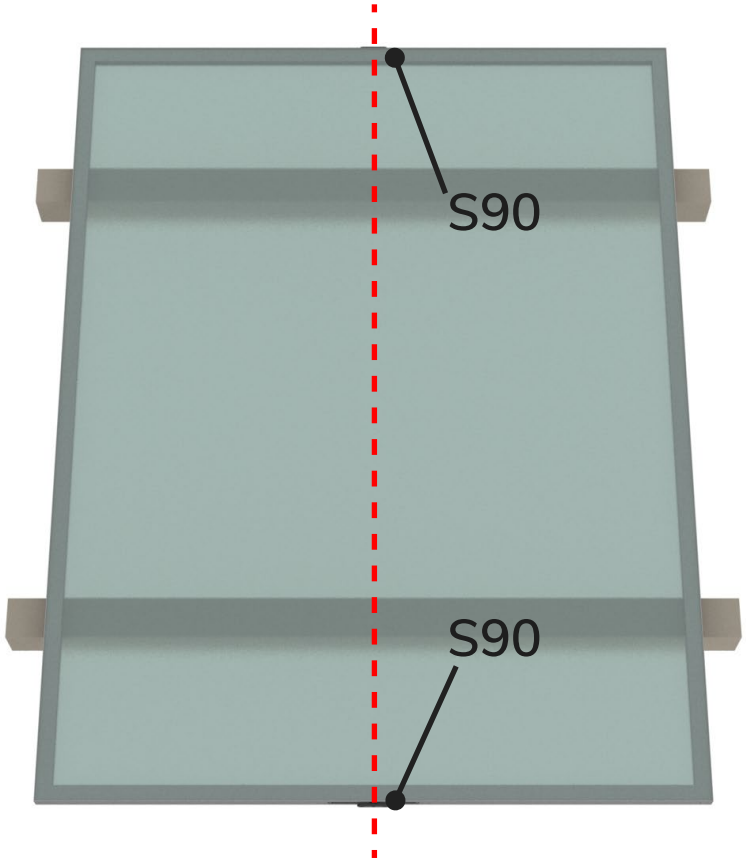


The s90 will stop the door in open position at +/-90°.

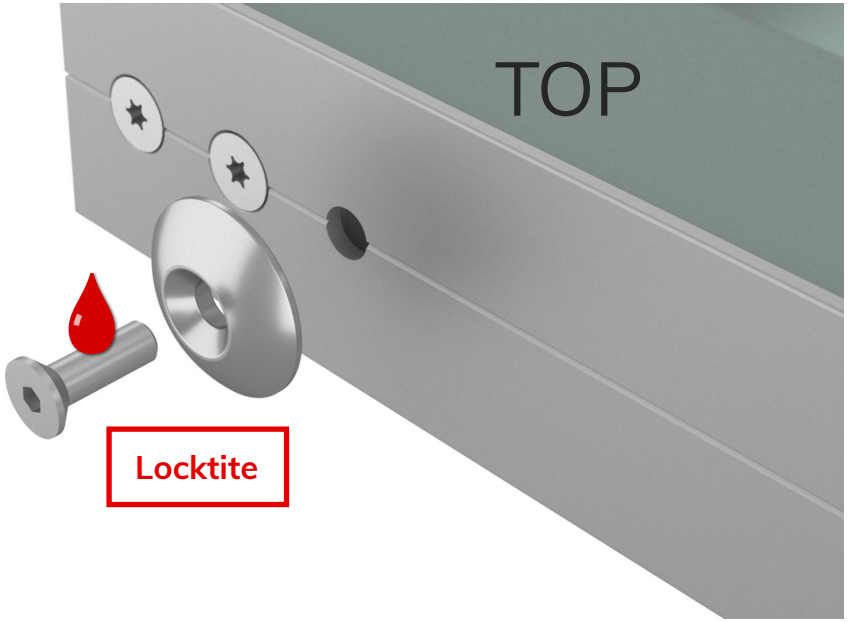


For unlimited 360° rotation, remove the s90 from top and bottom pivot. This is only advised for central axis position.

Make sure the s90 is always on the same side top and bottom!

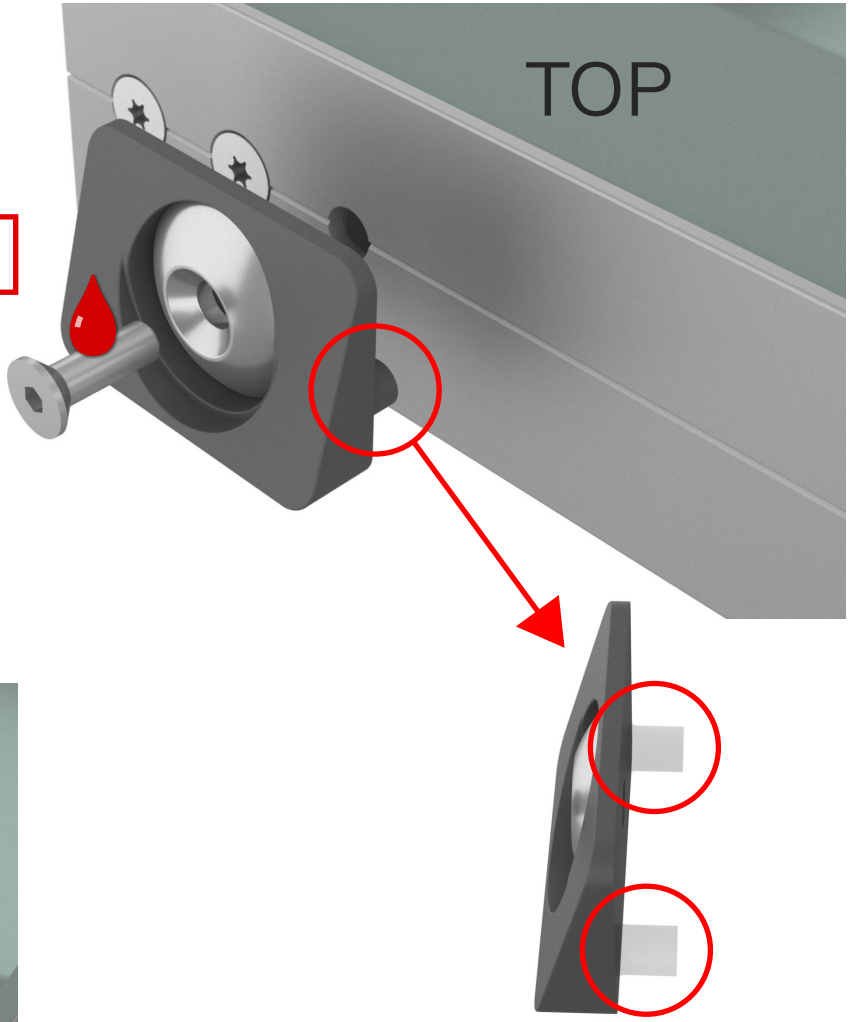


We advise to install the optional 2-way positioning magnet(s) onto the door frame.
(For counter magnets on the ceiling, see ‘Door installation manual’)



Make sure the 1-way orientation is correct!

If 1-way opening is desired, add the optional 1-way accessory.
(For counter magnet + 1-way on the ceiling, see ‘Door installation manual’)



Cut away both columns before installation

For further instructions on how to install
the fully assembled door in your doorway,
please refer to the DOOR INSTALLATION MANUAL

All manuals are also available in video format on www.portapivot.com