

8.12 INSTALLATION INTO MASONRY

For this type of installation you need the optional tunnel (recommended for wall thickness >7cm) in addition to the standard petWALK pet door. We can also recommend the use of mounting frames, which you can produce quite easily on your own. The mounting frame should be made out of timber with a minimum thickness of 5cm x 5cm. The inner clearance of the mounting frame has to correspond to the installation clearance of your model. The mounting frame must necessarily be rectangular (the diagonals must show the same length!).

The mounting frame will be attached to the building shell. The exterior and interior plasterwork will finish at the mounting frame. After the plastering works are completed the installation of the petWALK pet door can take place.

The advantage of this type of installation is the fact that the door can be installed belatedly and its maintenance as well as its disassembly is much easier.

For higher thermal insulation (e.g. passive houses), we recommend an optional additional insulation frame covering the outer frame. This additional insulation element can be clipped onto the outer frame after installation of the door.

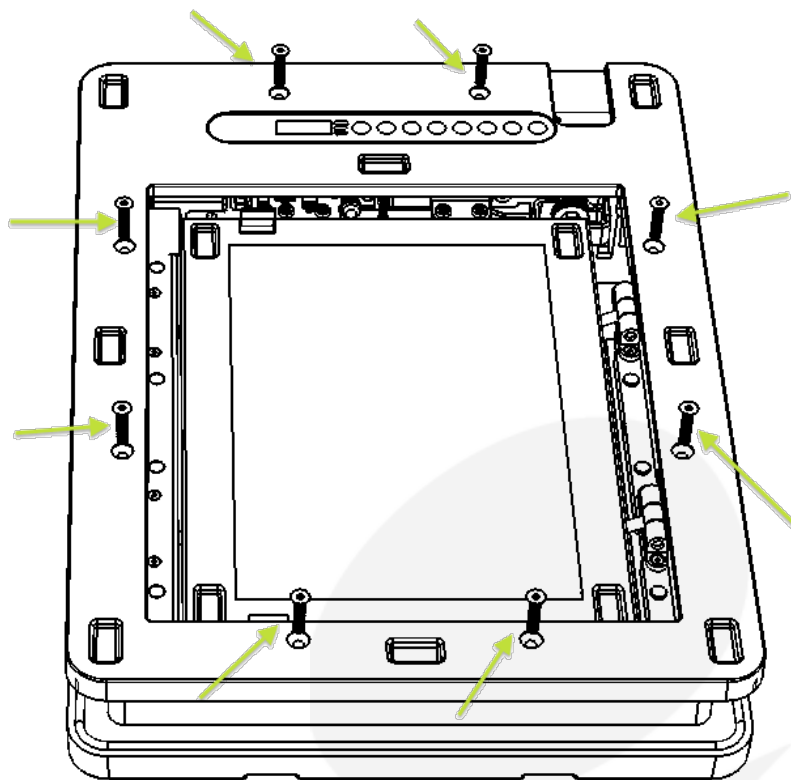
To achieve proper sealing, first the outer flange of the petWALK pet door must be fixed seamlessly to the mounting frame. Then the assembly of the inner flange will follow.

1. Remove the 8 screws (M6x30) with an Allen wrench size SW 4.0, to separate the two frames (see figure below). Keep these screws aside because they need to be back at the end of the assembly process.

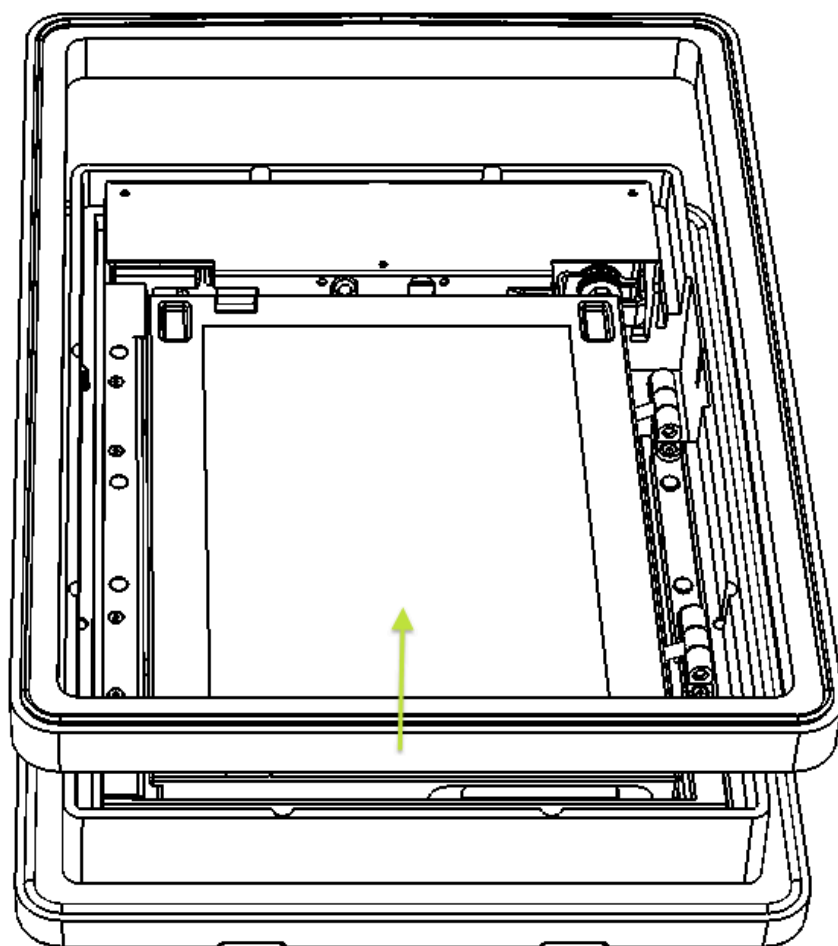


NOTE!

If the two parts of the device are connected at the top by the cable, gently pull the three plugs off the sockets of the board at the inner frame before removing the frame.



2. Lift the inner frame (part with the display) off with an upward movement.
3. Now pull the spacer from the device. This part is only required for the installation of the door into structures with a thickness of less than 5cm. For wall mounting, it will probably not be needed. Alternatively it could be used as a mounting frame.



4. Now insert the supplied round seal carefully into the grooves provided for this purpose, which will touch the component later, but not between the spacer and the doorframe. With the help of these seals, you can now attach your petWALK pet door airtight towards the component.



CAUTION!

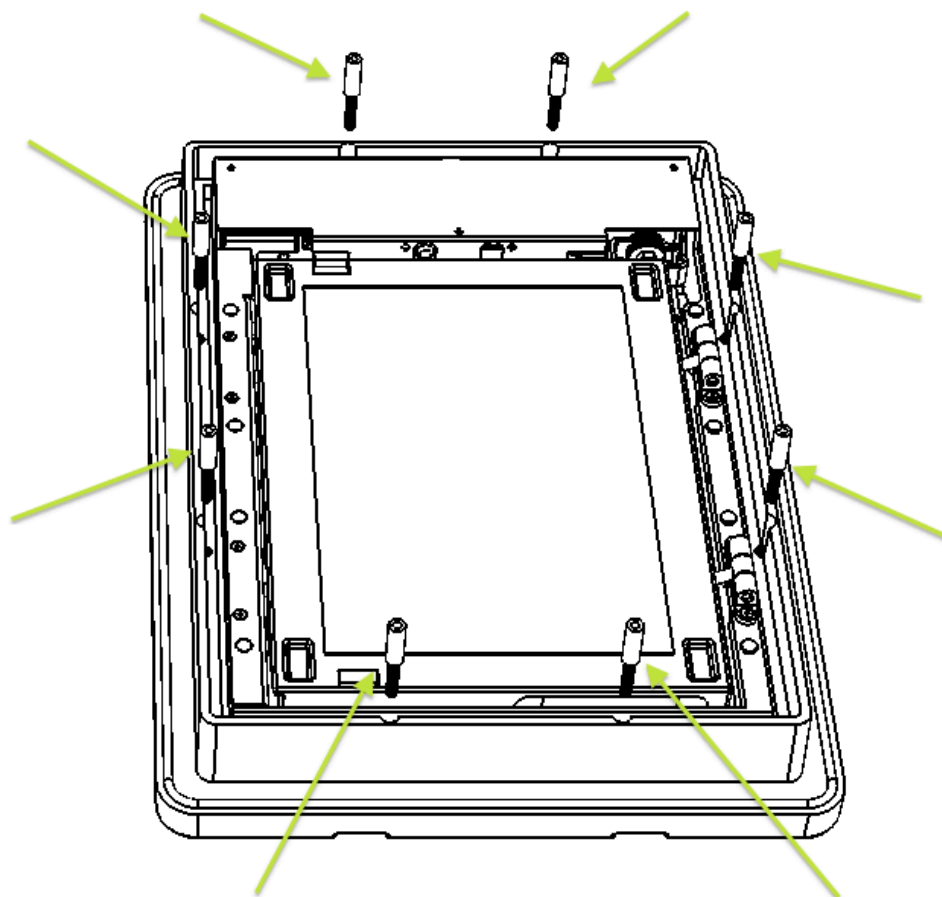
Make sure that you do not stretch the seals when pressing them into the groove and be aware that they are not strained thereby.

5. Now remove the 8 threaded rods fitted as standard, which are intended for mounting in small components up to 10 cm. Turn them counter clockwise out of the threaded sockets of the outer frame.



NOTE!

If a tunnel with a length of more than 50 cm is used, these screws can be used as a further extension of the threaded rods. In this case simply connect the originally supplied threaded rods with the threaded rods supplied with the tunnel set.



6. Measure the wall thickness circumferentially and note the lowest and highest measured thickness.
7. Take the four tunnel plates (two plates for each of the side walls and 2 plates for floor and ceiling) from the package and cut them to the smallest measured wall thickness.



NOTE!

The length of the tunnel can be determined quite easily. Temporarily insert the tunnel plates into the nut of the outer flange and gently insert both into the building opening from the outside. Now mark on the inside the wall level with a line on the tunnel panels. That way you have determined the exact cutting line for the tunnel plates.



NOTE!

Make sure that you only cut the side of the plates, which is of equal length on all four plates.



CAUTION!

The difference between the minimum and maximum measured thickness must not be more than 15mm.



NOTE!

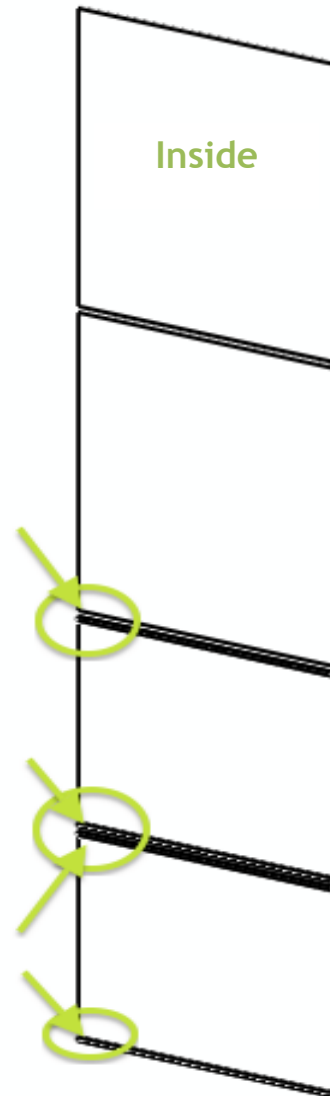
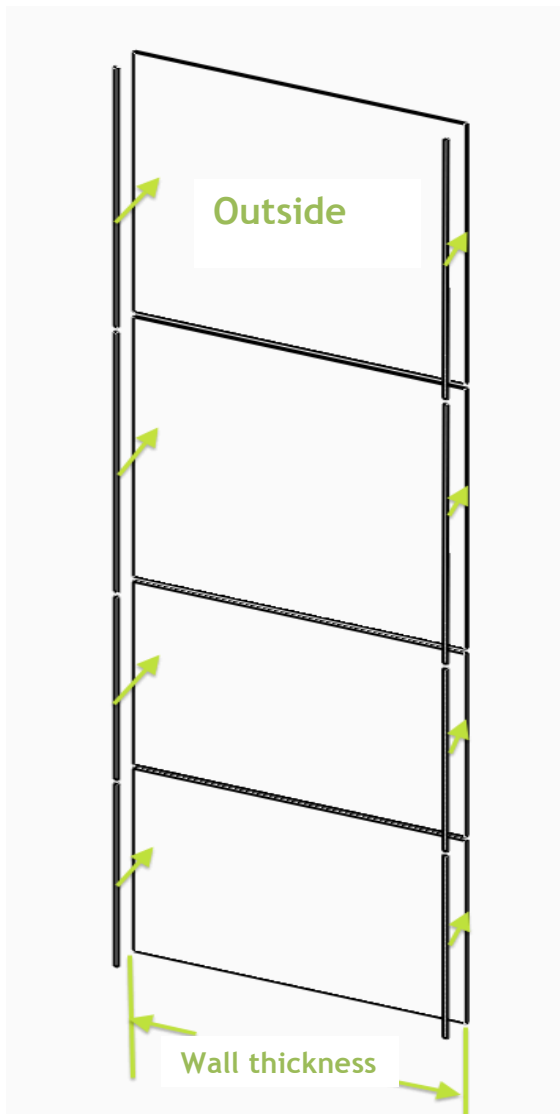
If the tunnel panels need to be cut, you should also check the length of the threaded rods. If necessary, the threaded rods should be cut accordingly. This is easily done with a hacksaw by site (see chapter 9).



NOTE!

The plates have two different colours. You can decide whether you want to use the light or dark side of the tunnel as visible surfaces. We recommend using the darker colour on the bottom and the light side as side and top surfaces.

8. Attach the supplied sealing tape to the outside edge of the inner and outer frame (as shown below).



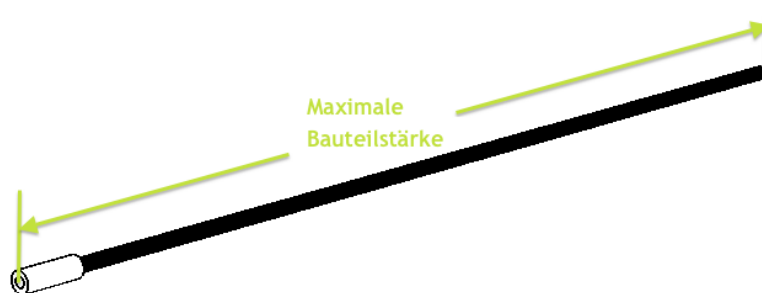
Attach the sealing strips at the longitudinal sides of all four plates and on the inside of the smaller two plates (ceiling and base plate). Once mounted the side plates are resting on these strips and seal tightly.



NOTE!

You can carefully remove any overlying parts of the sealing tape with a knife after final assembly.

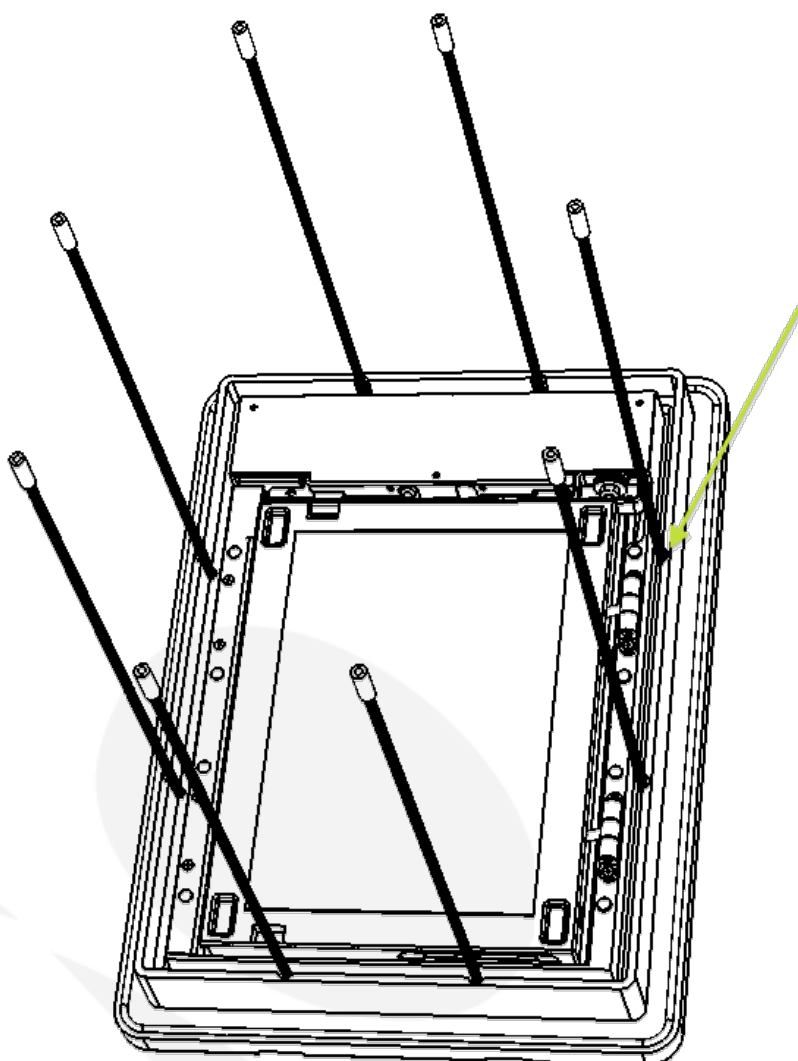
- The 8 threaded rods have now to be shortened to the length of the largest measured wall thickness. This can easily be achieved by means of a hacksaw. An exact adjustment of the rod length is obtained by screwing the threaded rods into the outer frame.



CAUTION!

Make sure that the thread is not damaged during shortening. The cutting should be made along the thread path; any protruding residues should be deburred.

- Now turn the 8 threaded rods easily into the threaded inserts provided for this purpose in the outer frame-until they are fixed.



11. Now insert the tunnel plates, which were previously cut to the appropriate length and fitted with sealing tape into the groove provided in the device. Press the plates against slight resistance of the seals completely into the groove and then draw them out again carefully for approximately 5mm.



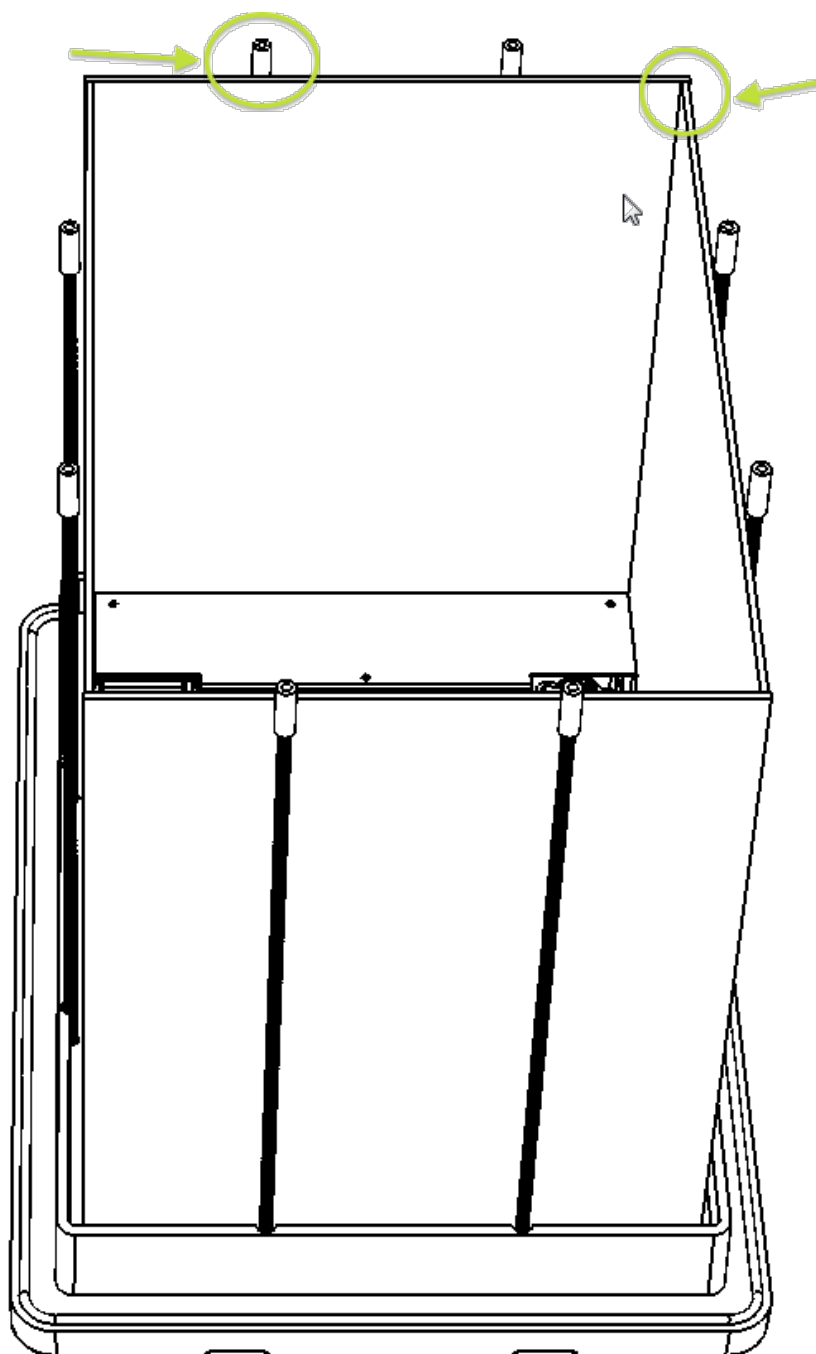
WARNING!

When pushing the upper tunnel plate into the notch please make sure that the connection cable is placed on top of the tunnel plate and is not crushed by the tunnel plate. In the middle of the upper notch you can find an additional slot for the protection of the cable. The cable must be routed to the top via this slot.



TIPP!

Sticking the tunnel plates together with adhesive tape the body of the tunnel will gain stability. Consequently the insertion of the outer flange plus tunnel into the aperture of the wall is substantially simplified. For tunnel lengths of more than 50cm it is advisable to fix even the threaded rods to the tunnel body with adhesive tape.

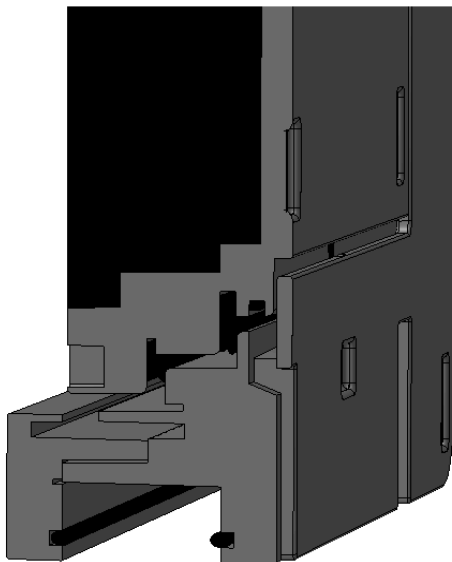


NOTE!

If you have done everything right so far, the threaded rods will slightly protrude from the tunnel plates.

12. The lateral surfaces should rest on the seals of the top surfaces.

13. Now install the window sill for driving rain.



Our petWALK pet doors have a large collecting duct for driving rain with two front drain holes. This ensures that even large amounts of rain at high wind speeds of up to 160 km/h can be reliably drained to the outside.

This corresponds to class E1050 according to the standard EN12208-1999-11 for windows, for doors.

The rainwater is lead invisibly between the outer frame and the decorative cover to the lower edge of the door module.

Installation into a wall reveal: We strongly recommend the installation of a weather sheet on the mounting frame as shown in picture below. This will prevent, that rainwater runs down or into the wall. The windowsill can be mounted on the mounting frame or on the wall below the outer frame.



Frame insulated mounting, i.e. the doorframe is covered by the thermal insulation of the building:

Because of the outlet for driving rain the doorframe must only be over-insulated at the sides and on top. The lower part of the frame must remain free. The weather sheet will be, as shown above, attached at the mounting frame or the masonry.

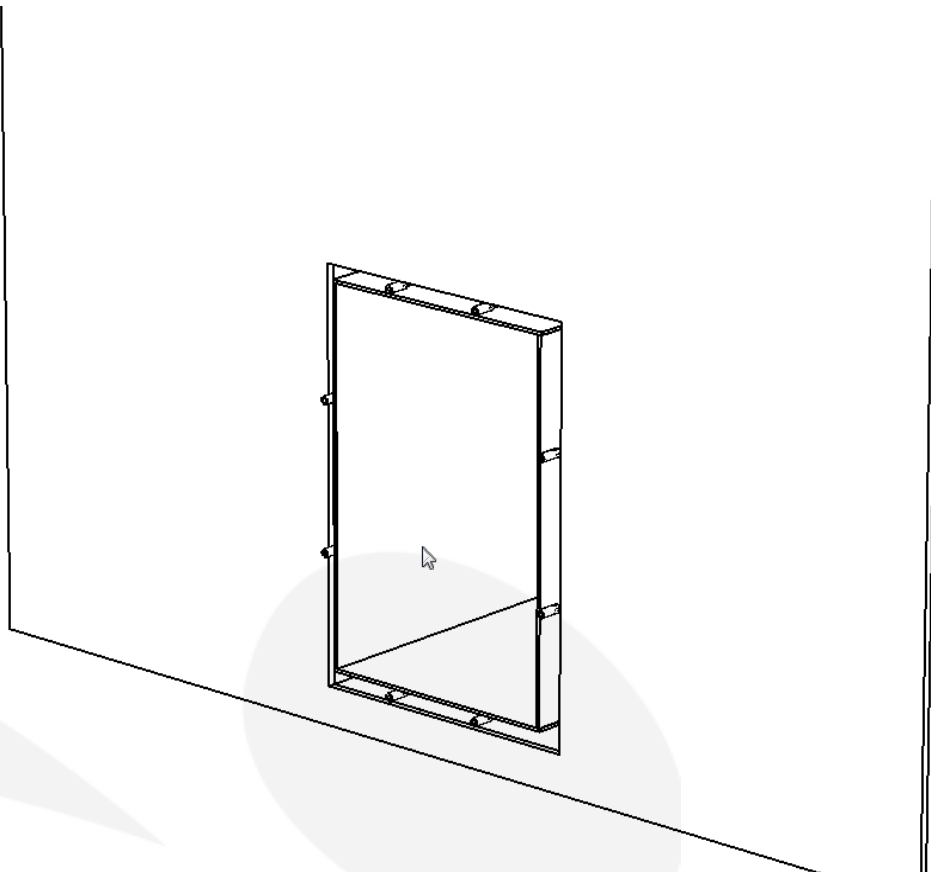
If you are absolutely sure that no rain can reach the pet door, you can also insulate the lower part of the frame. But be careful, water can soak into the masonry, when splashing on the door panel.

14. Now insert the component carefully from the outside into the component.



CAUTION!

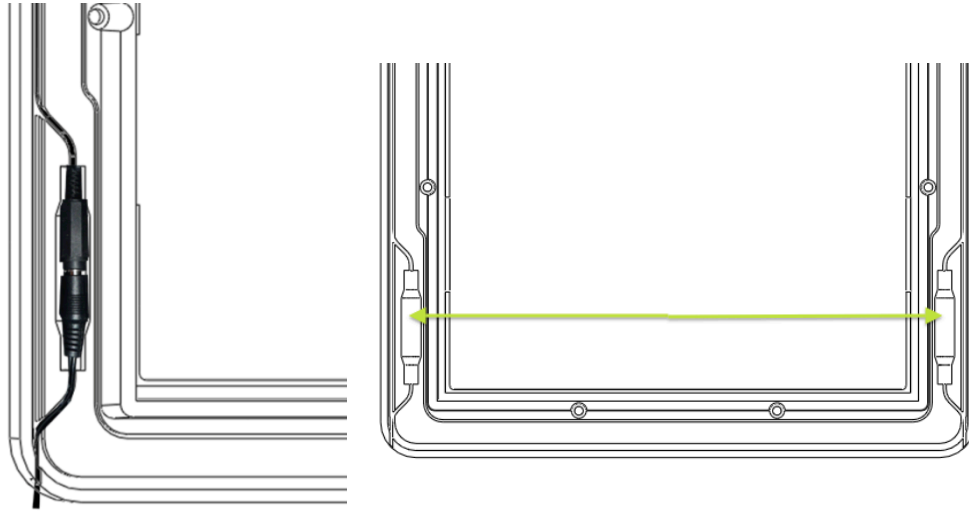
Now lead the connecting cables carefully to the inside, in a way, that they lie on the tunnel plate and are easily accessible from the inside of the building.



NOTE!

On the inside the tunnel plates and threaded bars should now slightly project beyond the component.

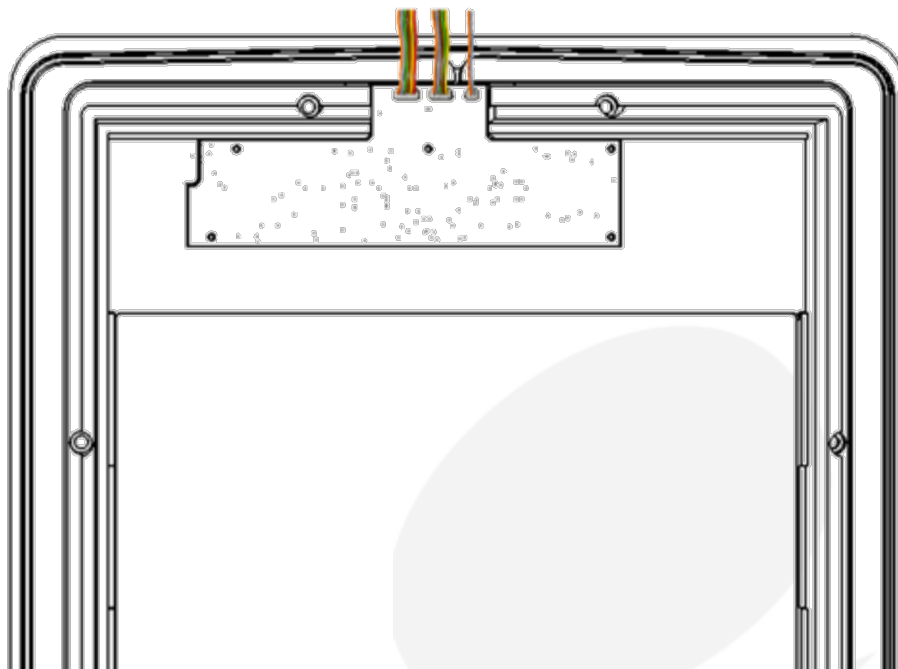
15. Connect the plug of the power supply to the socket provided at the inner frame. If desired, you can route the cable to the other side of the door.



Installation of the optional flush-mode power supply:

For wall mounting the optional flush-mounted power supply is recommended (not included in standard delivery, please order via website). For an installation of the concealed power supply, there are several ways that you should discuss with your electrician. The power supply can be installed in a flush junction box, in the meter box or at the pet door. Subsequently, we will only describe the installation at the pet door here. See chapter "Installation of flush-mounting power supply".

16. Now take the inner frame and carefully insert the 3 differently sized plugs of the connecting cables into the corresponding sockets on the board.

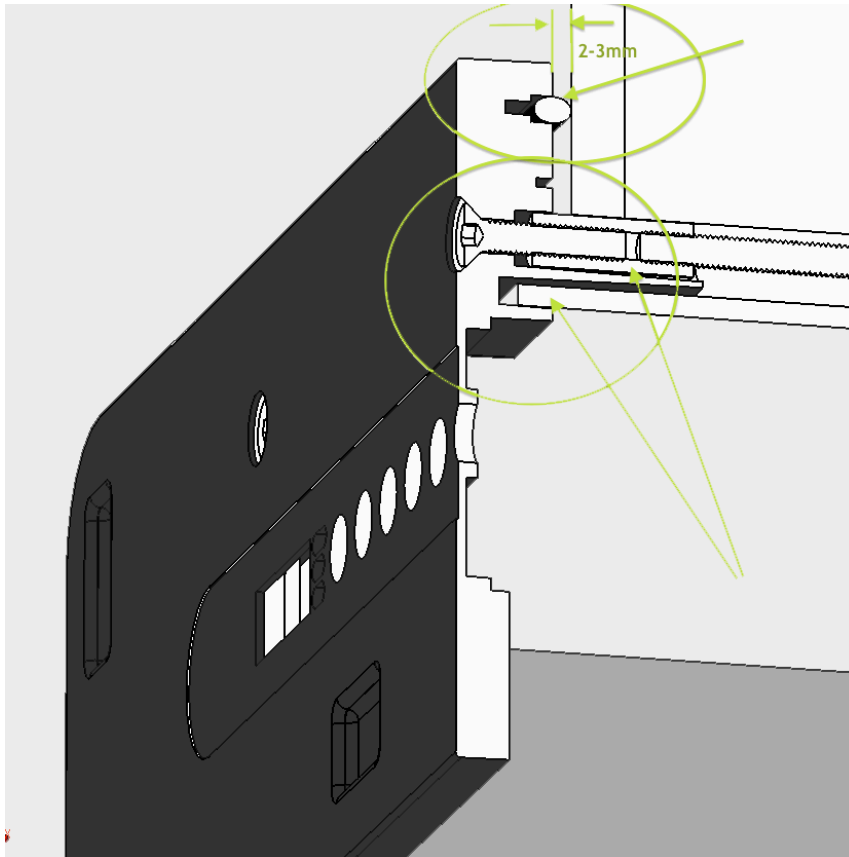




CAUTION!

The connectors are directional bound, so they only fit to one position in the sockets. If they cannot be inserted easily, **DO NOT** use force, but try again rotated by 180°.

17. **Only important for tunnel installation:** After all three connectors are safely plugged in and the power cord is connected, carefully slide the inner frame towards the tunnel. Make sure that all threaded rods enter the corresponding recesses of the frame and put the tunnel plates are stuck in the groove provided.



CAUTION!

If tightening the frames with easy pressure is not possible, you must avoid massive violence **IN ANY CASE**. Check the threaded bars or plates; maybe they are not at the provided space. If necessary, correct the position.



CAUTION!

The petWALK pet door **must always** be mounted perpendicular and horizontally aligned. The two frames must also be horizontally aligned.



CAUTION!

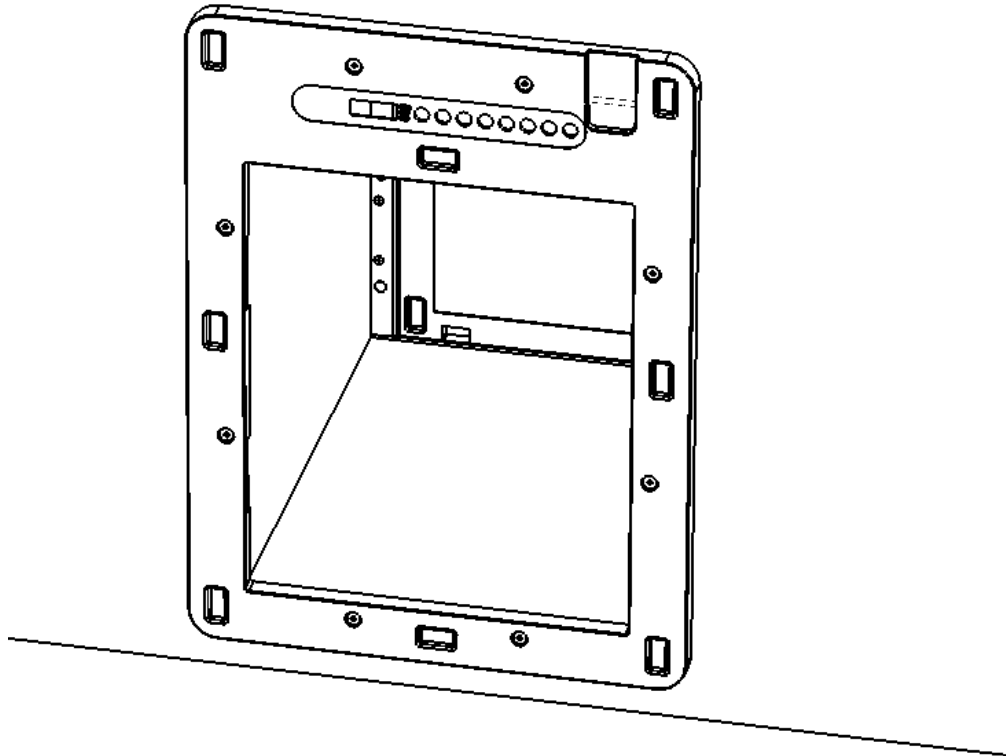
Due to the circumferential seals on the inside and outside the module cannot and should not lie flat on the component. There should be a gap of at least 2-3 mm wide gap between wall and frame.

18. Insert the 8 M6 x 30 countersunk screws into the housing holes and bolt them to the sockets of the threaded rods.
19. Tighten the screws carefully, alternately and circumferential and check constantly, whether the tunnel plates can move into the grooves.



NOTE!

The frame shall move evenly to the component by tightening the screws. If you notice any tension, stop immediately and check whether a tunnel plate or threaded rod is clamped!



20. Now connect the power adapter to the power supply.
21. After a few seconds the device will show the time on the display and the door leaf will be locked.



Congratulations!

You have successfully completed the installation process. You can now use the device as intended.



NOTE!

When installing in masonry with a tunnel length of more than 30cm, slight condensation can occur under certain circumstances - this is not a product defect.

Although the petWALK pet door is optimally insulated and is proper installed within the insulation layer of your wall, condensed water may occur on the metal fittings due to lack of ventilation within the tunnel especially if the pet door was not opened for a while.