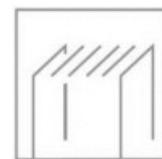


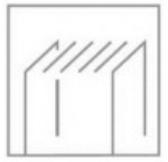
User manual / Assembly instructions HALLE Pergola





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1. Introduction

Congratulations on the purchase of your Halle veranda!

Before you can start enjoying your veranda it must be assembled properly. This manual provides clear instructions for all the steps you must complete for correct assembly of your Halle veranda. We recommend that you take the time to read the entire manual before you begin assembly.

Check whether you have received all the necessary parts before you begin assembly. For your safety, follow all the applicable instructions. This also guarantees the safety of the installed veranda. If you should have any questions, please feel free to contact your Halle partner.

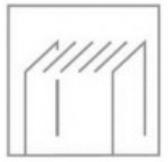


This manual should be kept in a safe, dry and shady place. In the event of damage or loss, the user must request a new copy of the manual from the Halle partner.

2. Safety precautions and warnings

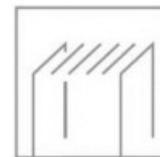
Important: Please read the safety precautions and warnings before assembling the veranda.

- During assembly, carefully follow the instructions and guidelines as described in this manual. Never change the order of the steps to be performed. If any aspect of the assembly procedure is unclear, please contact your Halle partner. We reserve the right to make technical changes without written notice.
- We normally recommend that the veranda must be assembled by at least two people working together.
- We recommend using material lifts when installing the gutters.
- Check the delivery immediately upon receipt. In the event of damage or an incomplete delivery please contact your Halle partner immediately.
- The materials must be stored in a dry, ventilated area, not exposed to direct sunlight.
- Open the packaging carefully. Make sure that you do not damage the product.



2. Safety precautions and warnings (continued)

- To avoid damage to your veranda, place the components on a soft, clean and flat surface. Never place the glass panels directly on the ground! Laminated glass is sensitive to scratching so make sure not to scratch it. Be extra careful with the edges and corners of the glass panels.
- Never stand on the glass panels.
- Adding or removing parts, the use or installation of materials other than described in this manual, may adversely affect the safety of the veranda and is therefore strongly discouraged!
- Cordon off the assembly location so that others are kept at a safe distance.
- Always wear the correct protective clothing (work gloves, dust mask, safety glasses, shoes with non-slip soles, etc.) during installation or servicing.
- Always place a ladder on a firm, stable surface.
- For wall mounting: mount the system against a solid and level wall and on a flat stable foundation or stone ground. Make sure wall and ground are clean and dry.
- Make sure all fasteners are properly tightened. Check this regularly.
- Make sure you have used sealant on the veranda so it is completely waterproof.
- You must maintain and clean your veranda at least once a year.
- For cleaning and washing, use plenty of water, soft material and a sponge. Use only neutral cleaning agents. No acids or alkalis. However, solvents (washing-up liquid and Glassex) are permitted to remove greasy dirt.
- Dispose the product in accordance with local laws and regulations.
- Halle System AB accepts no liability for damage or injury caused by not (strictly) observing the safety regulations and instructions in this manual, or by negligence during assembly, use and maintenance of the product and any accompanying accessories. Halle System AB is not responsible for any damages.



3. Product description

The aluminium veranda type Halle Pergola is composed of posts, gutter profiles, beams, glass panels, cover strips, cover plates and the necessary assembly materials. As standard, this veranda is equipped with LED lighting.

The Halle veranda Halle Pergola is as standard available in widths of 3124, 4088, 5052, 6016 or 6980 mm. There is no limit to the number of sections that can be joined end to end. The veranda can have a projection of 3000, 3500, 4000 or 4500 mm deep.

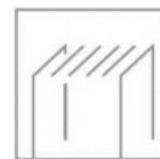
The glass panels are made of thermally strengthened 55.2 mm safety glass.

Details

Gutter profile	145 mm x 300 mm
Posts	150 mm x 150 mm
Colours	Traffic white structure (RAL9016), Anthracite structure (RAL7024) or Black structure (RAL9005)
Roof covering	Toughened 10,76 mm safety glass or 10mm Halle Isolux
Maximum height	2.8m
Width (mm)	3124/4088/5052/6016/6980
Projection (mm)	3000/3500/4000/4500
LED lighting**	Warm white 2700K, 8 W/m, cutting length 6 LEDs/50 mm

**Optionally available without LED. Using the optional LED cover strip, the LED strips can be covered.

A Halle veranda can be installed on any existing foundation or stone surface.

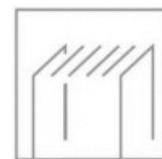


Halle Pergola 55.2 GLASS

Dimensions of veranda (width x projection)	Max. load downwards (kN/m ²)	Max. load downwards (kg/m ²)	Max. wind suction (kN/m ²)
3124 x 3000 mm	1,70	173	1,93
4088 x 3000 mm	1,70	173	1,93
5052 x 3000 mm	1,70	173	1,93
6016 x 3000 mm	1,70	173	1,93
6980 x 3000 mm	1,70	173	1,93
3124 x 3500 mm	1,70	173	1,93
4088 x 3500 mm	1,70	173	1,93
5052 x 3500 mm	1,70	173	1,93
6016 x 3500 mm	1,70	173	1,93
6980 x 3500 mm	1,62	165	1,93
3124 x 4000 mm	1,70	173	1,93
4088 x 4000 mm	1,70	173	1,93
5052 x 4000 mm	1,70	173	1,93
6016 x 4000 mm	1,70	173	1,93
6980 x 4000 mm	1,00	102	1,93
3124 x 4500 mm	1,42	145	1,92
4088 x 4500 mm	1,42	145	1,92
5052 x 4500 mm	1,42	145	1,92
6016 x 4500 mm	1,42	145	1,92
6980 x 4500 mm	0,86	88	1,75

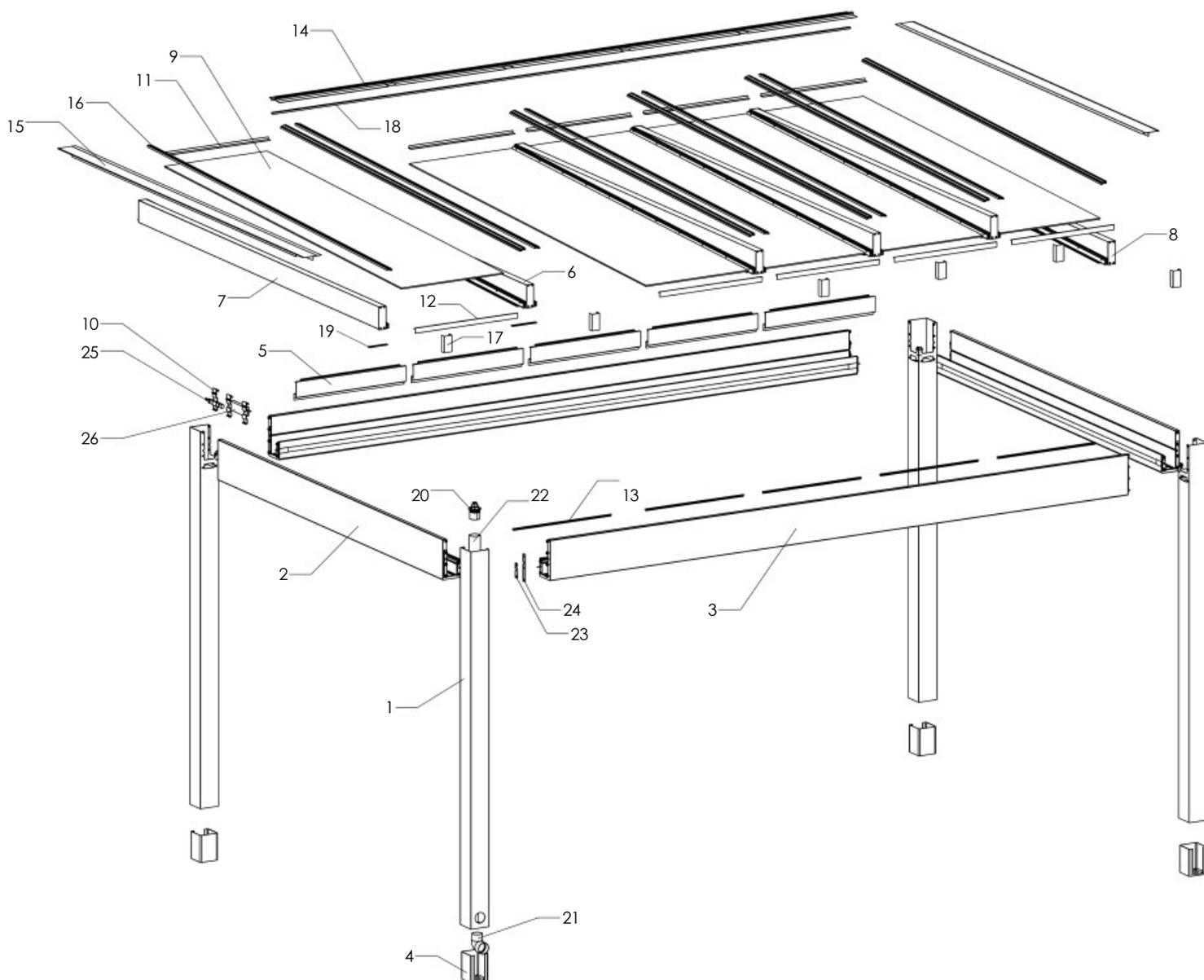
Maximum load is the characteristic value without safety factors or reduction through the reference period.

Be sure to remove snow and ice from the pergola roof and keep gutters, downpipes and profiles free of ice and snow. Freezing can mean, among other things, that expanding ice lifts parts of the roof covering, resulting in leaks and the risk of frost bursting of gutters and downpipes.



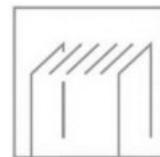
4. Parts overview

4.1 Exploded-view



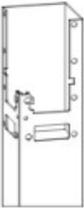
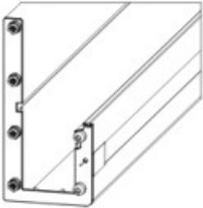
4.2 Delivery inspection

Note: Always carefully check the delivered items against the accompanying delivery note to ensure that the quantity and quality are correct. Any visible defects must be reported in writing within 7 days of delivery.

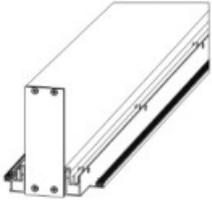
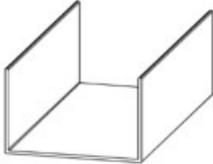


4.3 Parts list

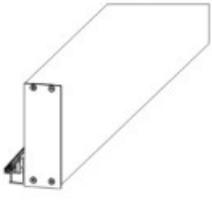
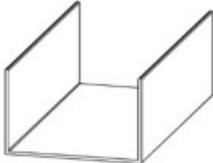
Carefully check the individual packaging units against the order form for quantity and quality.

		
01. Post	02. Gutter profile projection	03. Gutter profile width

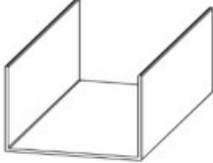
In between beam package

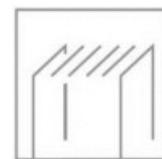
		
06. In between beam including glass profile	16. Glazing bead	17. Cover U-profile

Right side beam package

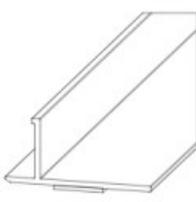
		
07. Right side beam including glass profile	16. Glazing bead	17. Cover U-profile

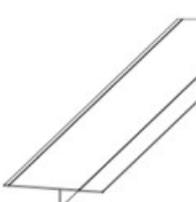
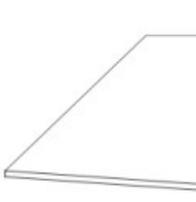
Left side beam package

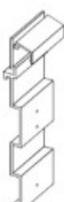
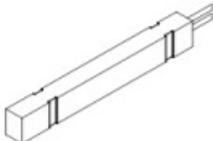
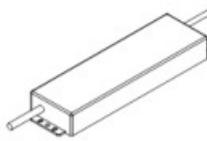
		
08. Left side beam including glass profile	16. Glazing bead	17. Cover U-profile

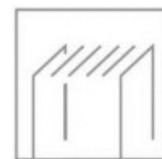


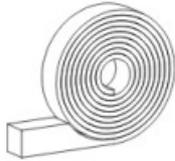
Width package

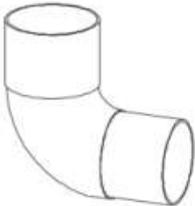
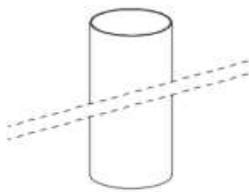
				
05. Finish cover	11. Splash profile	12. Drip profile	13. Gutter rubber	14. Rear cover

			
15. Side cover	09. Glass plate	23. Small pressure distribution plate	24. Large pressure distribution plate

			
10. Bracket electricity	Screw St. 2,9x9,5 mm	25. IO-receiver for white LEDs	26. Power supply

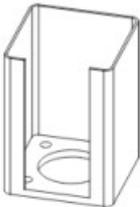
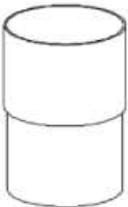
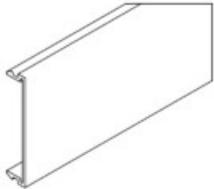


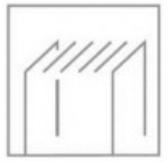
			
18. Comriband	19. EPDM foam	Screw 4,2x19 mm	Screw 4,2x32 mm

			
21. 90° RWD bend	22. RWD pipe Ø80 mm	20. Leaf catcher Ø80 mm	27. Scotchklok


28. Remote control Somfy Situo 5 IO

Optional

			
04. Mounting base	Screw 6,5x25 mm	HWA socket	LED cover strip



5. Preparation for assembly

5.1 Conditions for assembly

Ground & facade

- A good flat stable surface is required for construction of the veranda.
- The location where the roof will be placed must be construction-ready and free of obstacles (garden furniture, flower boxes, etc.) so installers can perform their work without hindrance.
- Any obstacles, including utility lines (such as power cables, etc.), roots and debris, must have been removed from the ground.
- The facade must be free of sun shades, etc.
- The place where the wall profile will be placed must be firm, even and flat.

Attachments at walls

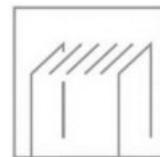
- Due to expansion of the materials, the veranda may not be placed tightly between two walls; there must be a gap of 1.5 mm per metre of width of the veranda.

Screws and drilling

- Halle supplies special 4.2x19 mm and 4.2x32 mm stainless steel screws with the veranda.
Note: Pre-drill a hole for each screw with a 3 mm drill bit (unless indicated otherwise)!
If you continue to turn them after they are tight, the screw head may break off.
It is recommended that you screw carefully, with the torque limiter on your drill set properly.
- Note:** **Never** drill and screw through the PVC rainwater discharge pipe in one of the posts.

Sealant

- Halle supplies sealant in the colours RAL9001, RAL9016 and RAL7024. This supplied sealant has been specially selected for the waterproof sealing of aluminium on aluminium or on most common construction materials, such as walls, concrete, etc. Follow the instructions on the tube.
- Note:** The optimal processing temperature for the sealant is +5 °C to +40 °C.



Rubber seals

- The Halle Pergola is standard equipped with pre-assembled, colour-matched rubber seals.
- In case the rubber seals have become deformed, they can be straightened again with a little heat, from a hot air heater or hair dryer for example.

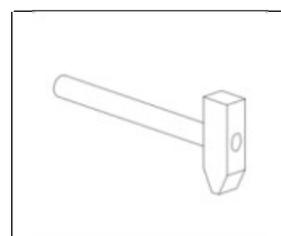
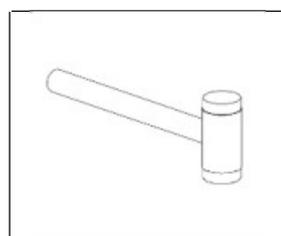
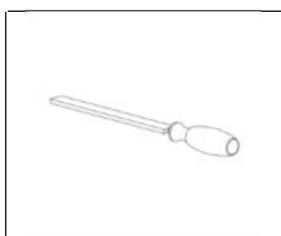
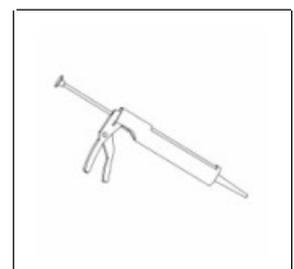
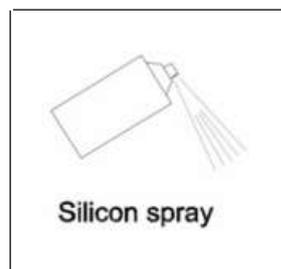
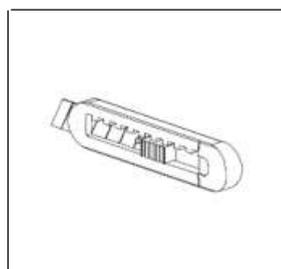
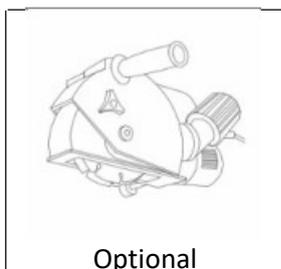
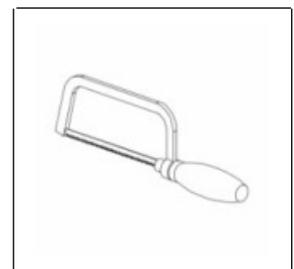
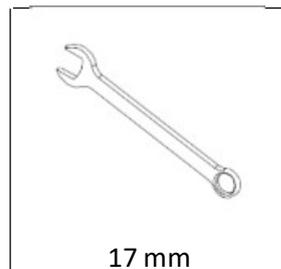
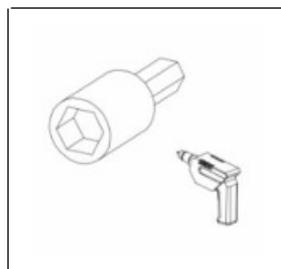
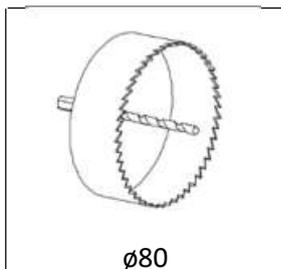
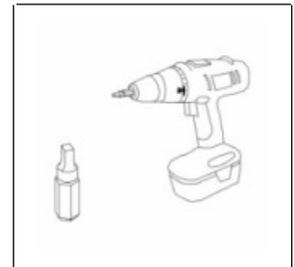
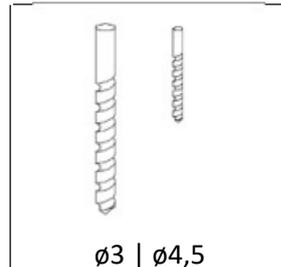
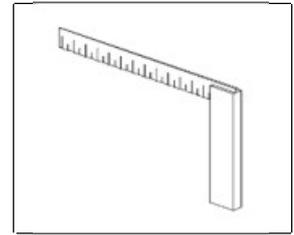
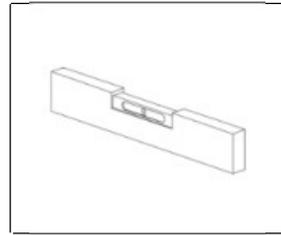
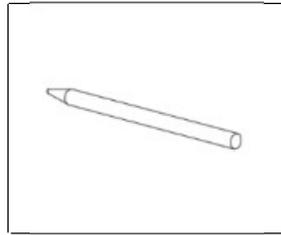
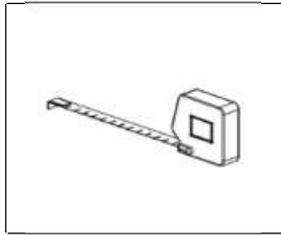
Removing the protective film

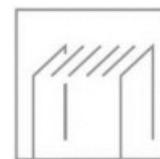
- It is recommended that the protective film be removed from the aluminium parts and the roofing sheets at the last possible moment, to prevent damage. When mounting the roofing sheets, however, the edges of the protective film must be pulled back a few centimetres towards the middle of the sheet so the film does not get stuck in the profiles; otherwise it will be difficult to remove later.

Warranty is void if the Halle Pergola veranda is not assembled and installed in accordance with these instructions.



5.2 Inspection of tools and accessories

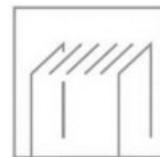




5.3 Dimensions Halle Pergola

The table below shows the dimensions of the different sizes of the Halle Pergola.

Dimensions of veranda (width x projection)	Amount of panels	Spacing between centre of beams (mm)	Dimensions of glass (mm)
3124 x 3000	3	964	840 x 2870
4088 x 3000	4	964	840 x 2870
5052 x 3000	5	964	840 x 2870
6016 x 3000	6	964	840 x 2870
6980 x 3000	7	964	840 x 2870
3124 x 3500	3	964	840 x 3370
4088 x 3500	4	964	840 x 3370
5052 x 3500	5	964	840 x 3370
6016 x 3500	6	964	840 x 3370
6980 x 3500	7	964	840 x 3370
3124 x 4000	3	964	840 x 3870
4088 x 4000	4	964	840 x 3870
5052 x 4000	5	964	840 x 3870
6016 x 4000	6	964	840 x 3870
6980 x 4000	7	964	840 x 3870
3124 x 4500	3	964	840 x 4370
4088 x 4500	4	964	840 x 4370
5052 x 4500	5	964	840 x 4370
6016 x 4500	6	964	840 x 4370
6980 x 4500	7	964	840 x 4370

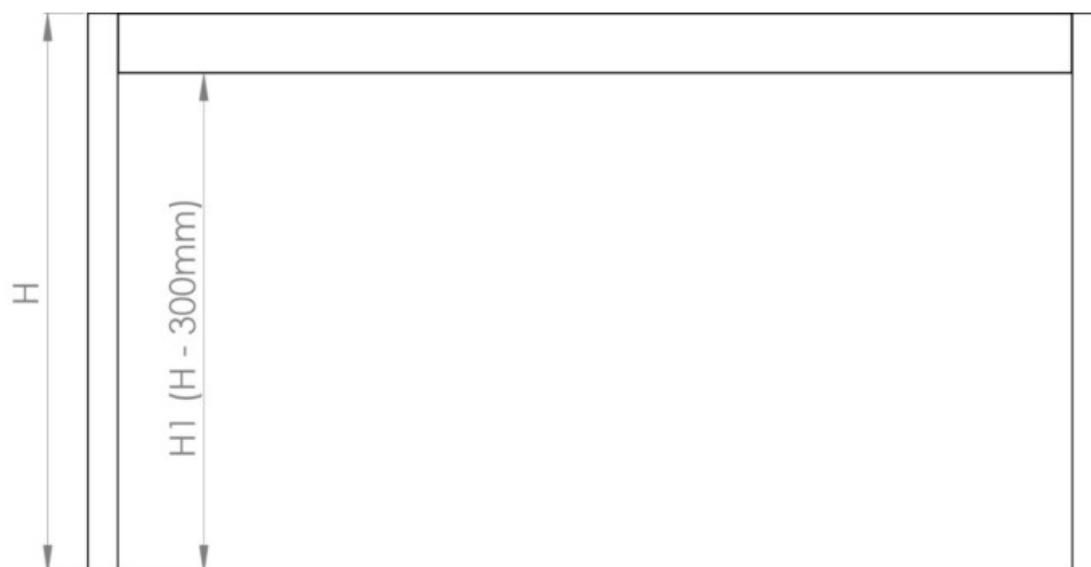


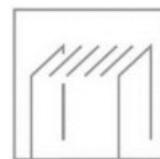
6. Assembly

6.1 Determining the height

Determine the height of your veranda. Please note that the maximum possible height of the veranda is 2800 mm from ground level to the top of the gutter.

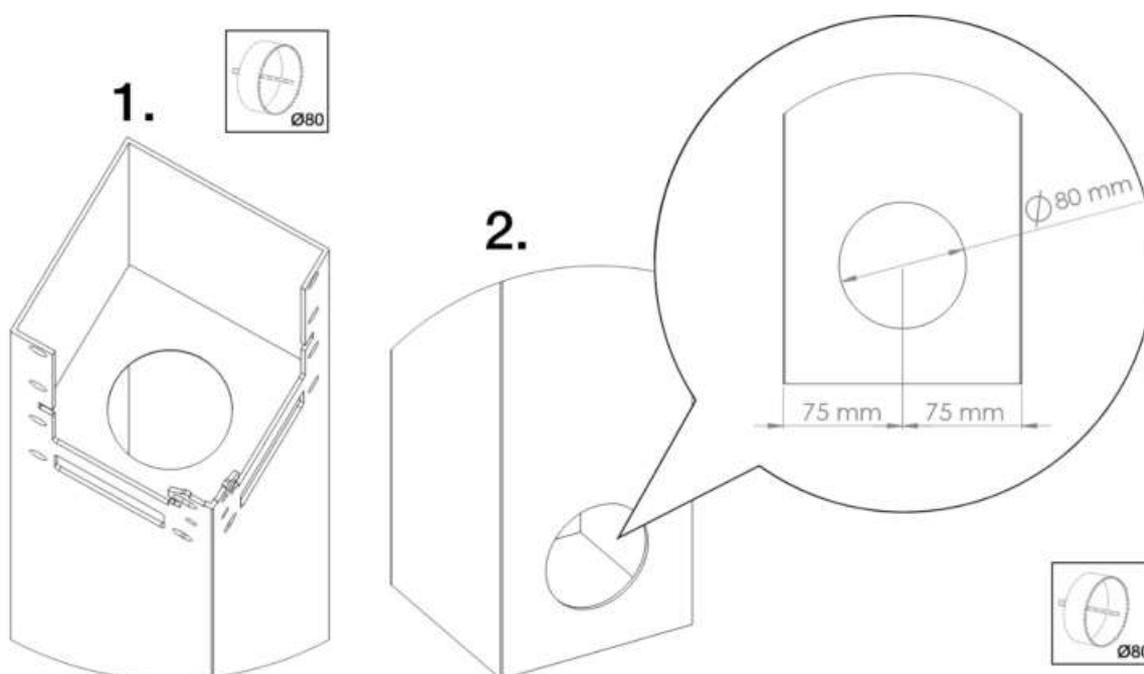
The posts are delivered at overlength for embedding in concrete. If you install the veranda using the (optional) mounting feet, cut the post to the desired total height of the veranda.

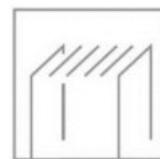




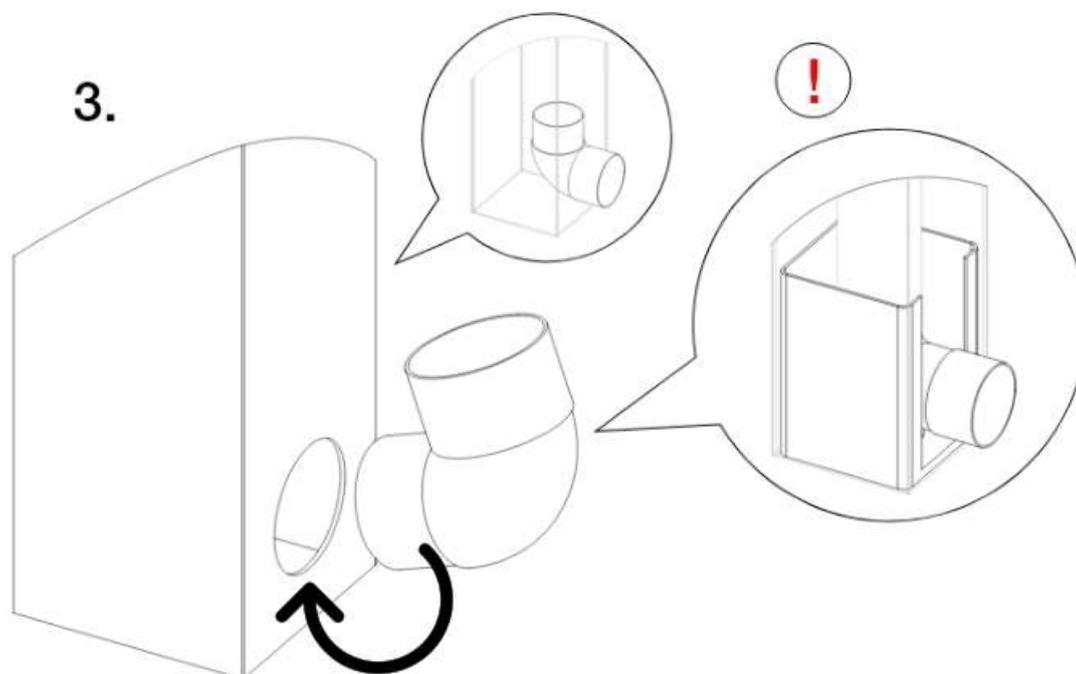
6.2 Downspout

1. Determine in which post you want the drainage (and leaf catcher) to be and carefully drill the $\varnothing 80$ mm hole in the top of the post using the hole drill bit. This is where the leaf catcher will be placed later.
2. Determine on which side and height of the posts you want the drainage outlet. Using the drill bit, drill the $\varnothing 80$ mm hole in the centre of the post. Bear in mind that for the height, the RWD may end up below ground level (on a drainpipe), or just above ground level.

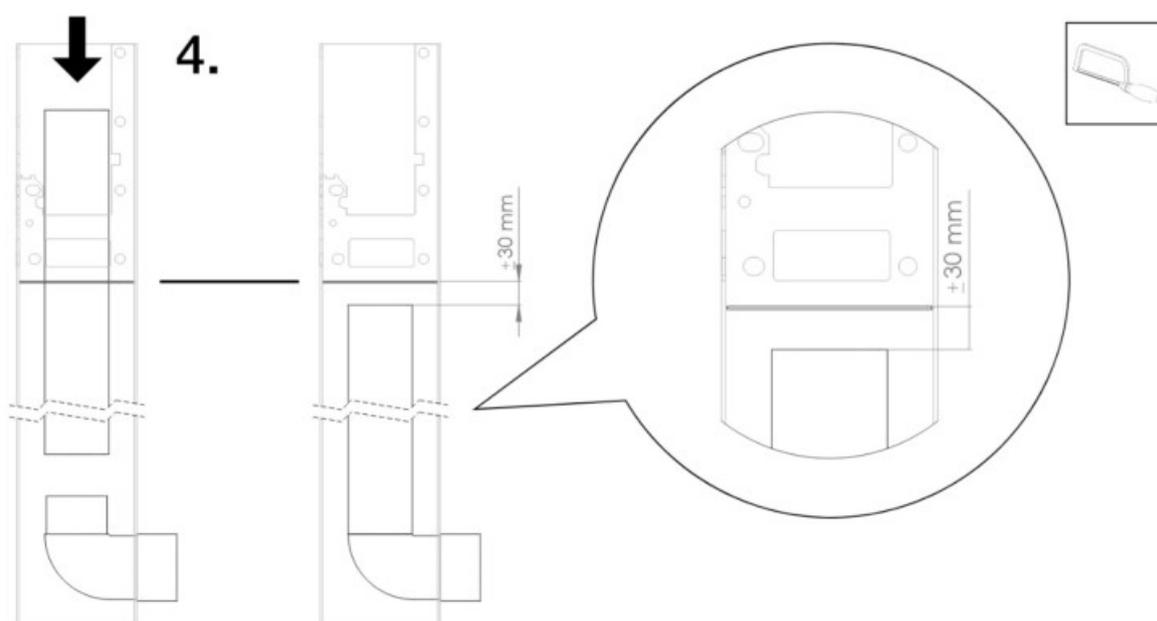


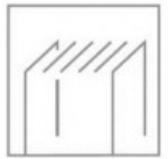


3. Place the RWD bend in the hole at the bottom of the post. NOTE: When using the blind mounting base, make sure the opening of the base is in the same position as the hole in the post.



4. Place the RWD pipe through the top hole of the post and slide it over the RWD bend. Saw the RWD pipe to size so that it extends ± 30 mm below the plate of the post.





6.3 Wall-mounting (optional)

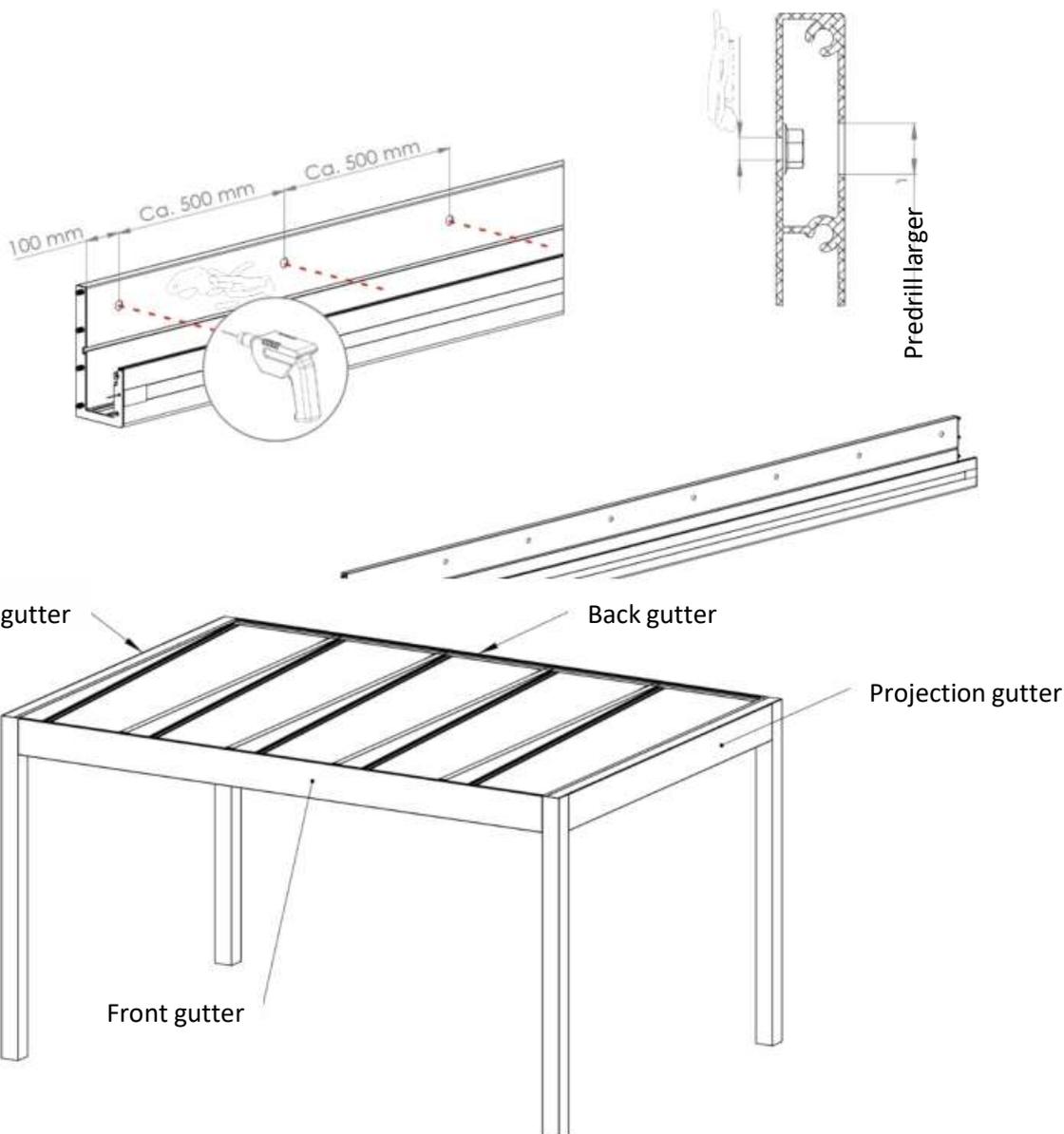
Optionally, you can order the Halle Pergola as wall-mounted. If you have a free-standing veranda, you can skip this section.

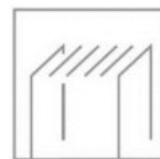
Before you start working on the gutters, make sure that the LED strips are pulled into the lower channel. There is a series of gutters produced in which this is not yet the case and the LED strips are laying loose inside of it.



Check the distances of the pre-assembled threaded rods. The threaded rods should not protrude more than 20-25mm.

1. Decide which gutter you want to attach to the wall. Drill holes in the gutter, approximately 500 mm apart. Start about 100 mm from the end and end about 100 mm from the end. Predrill the front holes larger, so that the fixing material is recessed.

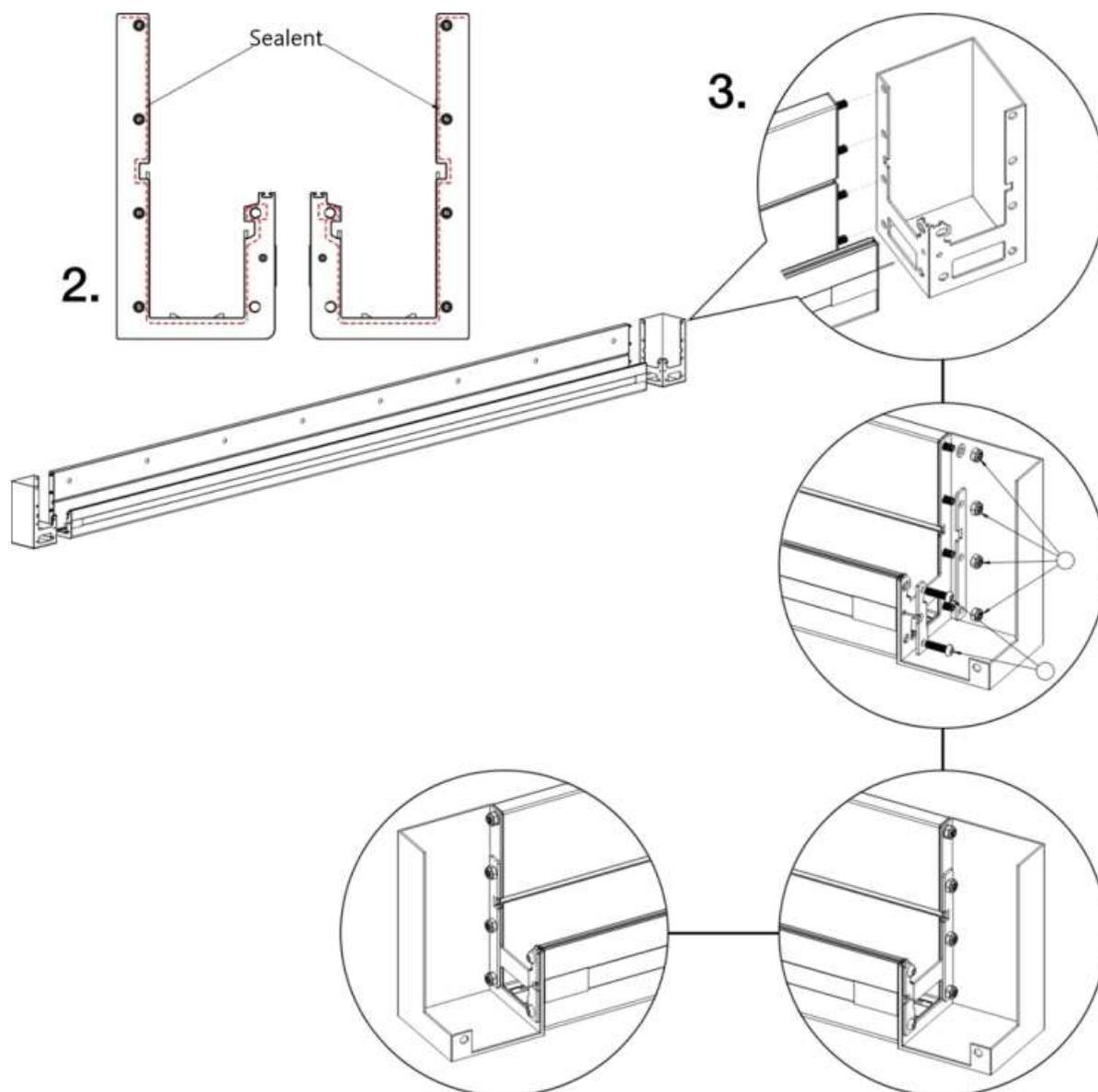


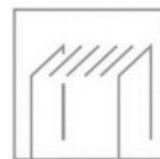


2. Apply sealant to the gutters' gaskets as shown in the picture below. Repeat this step for each gutter, as soon as you are going to assemble it.
3. Slide the gutter into the corner pieces as shown in the image below.

NOTE: Make sure the LED cable runs through the hole in the corner piece.

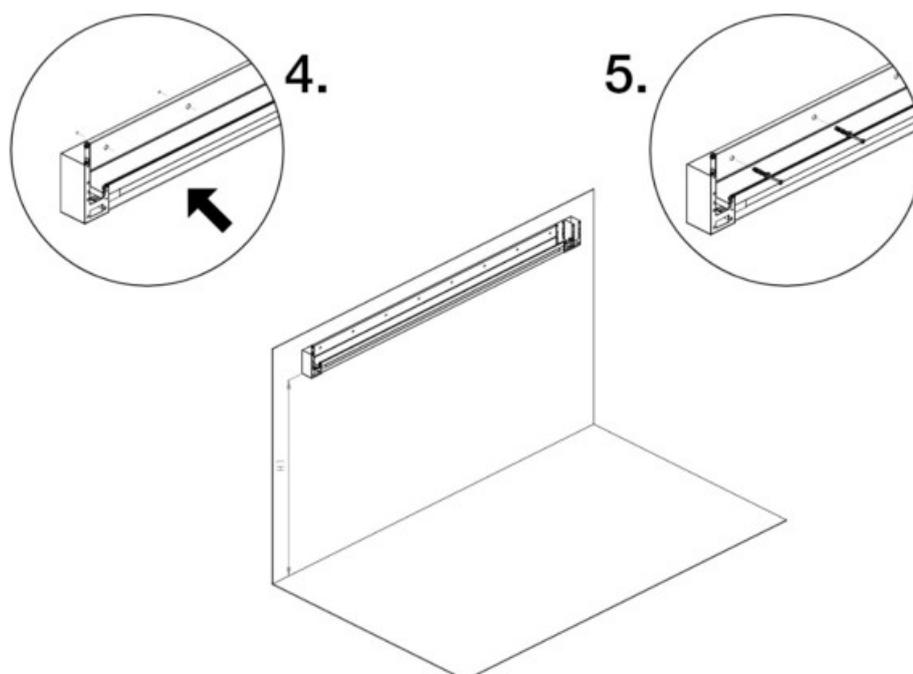
Attach the large pressure distribution plates together with the rivet washers and locknuts to the threaded rods. Tighten the locknuts only a few turns.



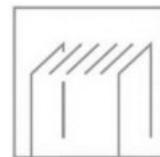


Next, attach the small pressure distribution plates with the M10 screws. Only then tighten everything evenly (crosswise).

4. Place the gutter against the wall at the desired height and then mark the holes as you have pre-drilled them in your wall profile. Now drill holes with the appropriate drill bit. Make sure the gutter hangs level.
5. Secure the gutter. Provide the right fastening equipment yourself.



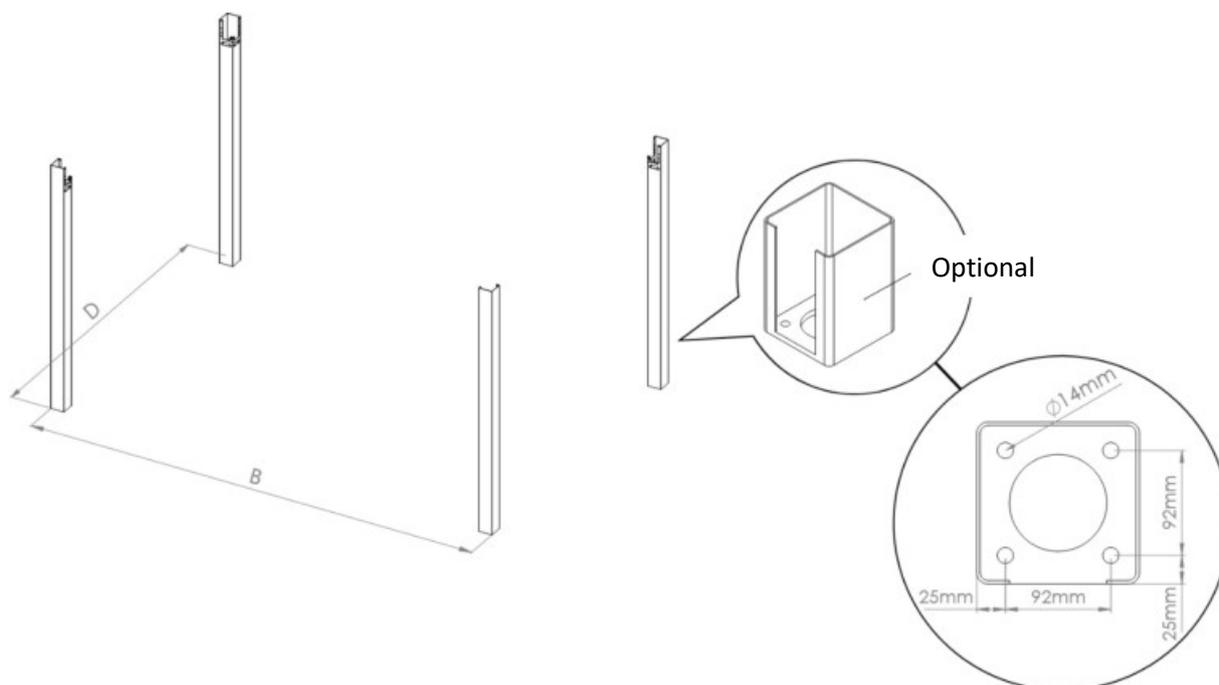
After the installation of the veranda, ensure there is a proper connection between the veranda and the wall. For this, you can use, for example, a lead flashing.

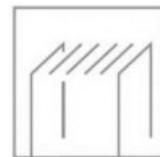


6.4 Fastening of the posts

1. Determine the positions of the posts on the terrace and the optional blind mounting bases. Make sure the positions are completely perpendicular and make sure their heights are level. For the correct position of the posts, see table 6.4.1.

NOTE: When using the blind mounting bases, be sure to attach them to the surface first. The correct positions for the mounting feet can be found in table 6.4.2. For fixing the base to the ground, we recommend using M12 5.8 Hilti-HY 200 anchors with a bonding depth of 170 mm.



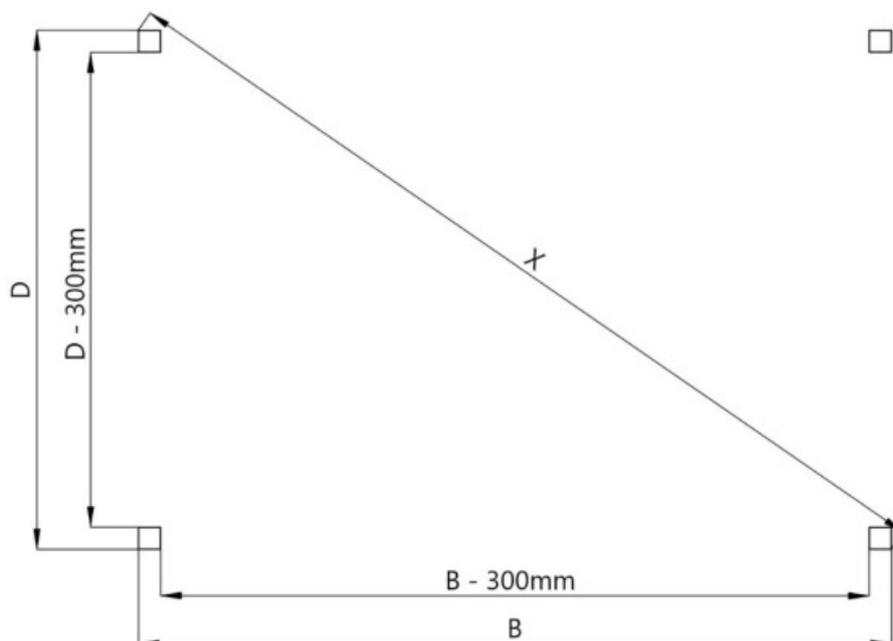


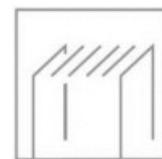
2. Dimensions outsides of posts. **If you are using the mounting bases, use the table on the next page!**

Dimensions of veranda (width x projection)	Width (B)	Projection (D)	Diagonal of outer posts (X)
3124 x 3000 mm	3124 mm	3000 mm	4330 mm
4088 x 3000 mm	4088 mm	3000 mm	5070 mm
5052 x 3000 mm	5052 mm	3000 mm	5875 mm
6016 x 3000 mm	6016 mm	3000 mm	6722 mm
6980 x 3000 mm	6980 mm	3000 mm	7597 mm
3124 x 3500 mm	3124 mm	3500 mm	4691 mm
4088 x 3500 mm	4088 mm	3500 mm	5381 mm
5052 x 3500 mm	5052 mm	3500 mm	6145 mm
6016 x 3500 mm	6016 mm	3500 mm	6959 mm
6980 x 3500 mm	6980 mm	3500 mm	7808 mm
3124 x 4000 mm	3124 mm	4000 mm	5075 mm
4088 x 4000 mm	4088 mm	4000 mm	5719 mm
5052 x 4000 mm	5052 mm	4000 mm	6443 mm
6016 x 4000 mm	6016 mm	4000 mm	7224 mm
6980 x 4000 mm	6980 mm	4000 mm	8044 mm
3124 x 4500 mm	3124 mm	4500 mm	5477 mm
4088 x 4500 mm	4088 mm	4500 mm	6079 mm
5052 x 4500 mm	5052 mm	4500 mm	6765 mm
6016 x 4500 mm	6016 mm	4500 mm	7512 mm
6980 x 4500 mm	6980 mm	4500 mm	8304 mm

Table: 6.4.1

Position of posts



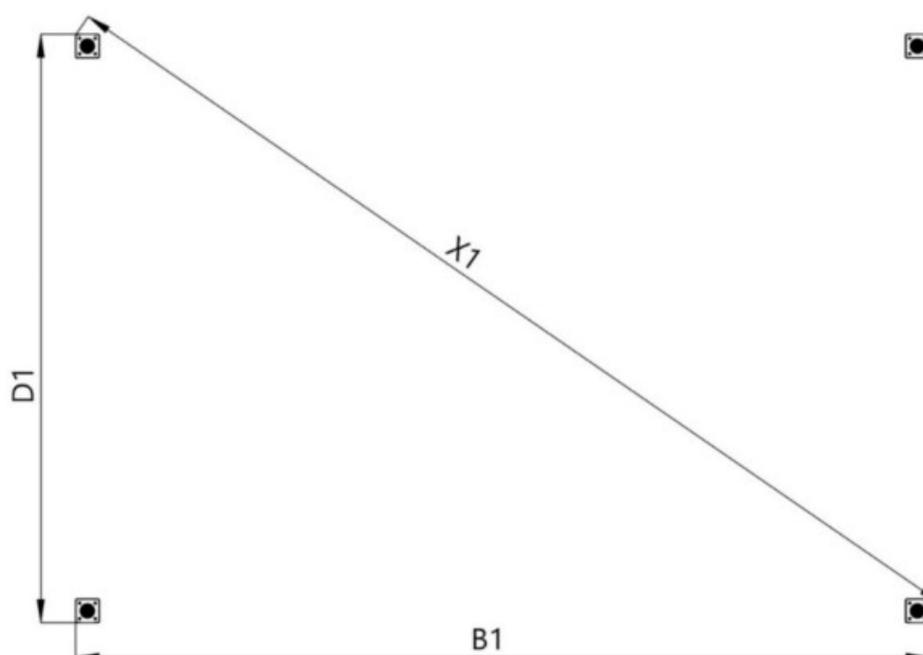


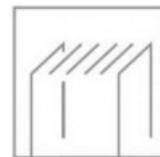
3. Dimensions outsides of blind mounting base

Dimensions of veranda (width x projection)	Width (B1)	Projection (D1)	Diagonal of outer posts (X1)
3124 x 3000 mm	3116 mm	2992 mm	4312 mm
4088 x 3000 mm	4080 mm	2992 mm	5051 mm
5052 x 3000 mm	5044 mm	2992 mm	5856 mm
6016 x 3000 mm	6008 mm	2992 mm	6704 mm
6980 x 3000 mm	6972 mm	2992 mm	7579 mm
3124 x 3500 mm	3116 mm	3492 mm	4672 mm
4088 x 3500 mm	4080 mm	3492 mm	5362 mm
5052 x 3500 mm	5044 mm	3492 mm	6127 mm
6016 x 3500 mm	6008 mm	3492 mm	6941 mm
6980 x 3500 mm	6972 mm	3492 mm	7789 mm
3124 x 4000 mm	3116 mm	3992 mm	5056 mm
4088 x 4000 mm	4080 mm	3992 mm	5700 mm
5052 x 4000 mm	5044 mm	3992 mm	6424 mm
6016 x 4000 mm	6008 mm	3992 mm	7205 mm
6980 x 4000 mm	6972 mm	3992 mm	8026 mm
3124 x 4500 mm	3116 mm	4492 mm	5459 mm
4088 x 4500 mm	4080 mm	4492 mm	6060 mm
5052 x 4500 mm	5044 mm	4492 mm	6746 mm
6016 x 4500 mm	6008 mm	4492 mm	7493 mm
6980 x 4500 mm	6972 mm	4492 mm	8286 mm

Table: 6.4.2

Position of blind mounting bases

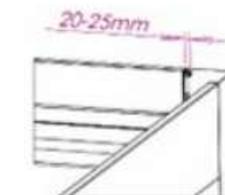




6.5 Assembling the gutters

Before you start working on the gutters, make sure that the LED strips are pulled into the lower channel. There is a series of gutters produced in which this is not yet the case and the LED strips are laying loose inside of it.

Check the distances of the pre-assembled threaded rods.
The threaded rods should not protrude more than 20-25mm.

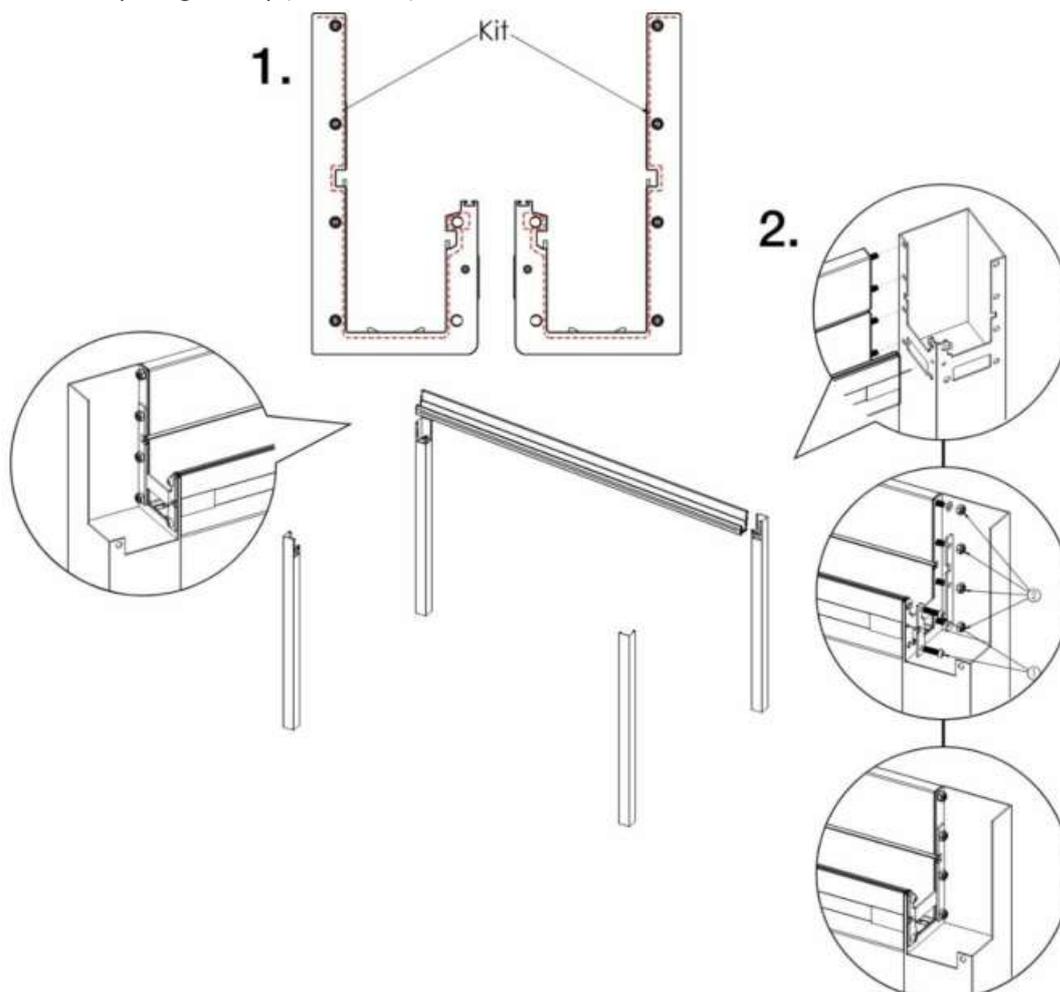


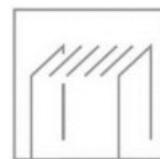
1. Apply sealant to the gutters' gaskets as shown in the picture below. Repeat this step for each gutter, as soon as you are going to assemble it.
2. Slide the gutter into the corner pieces as shown in the image below.

NOTE: Make sure the LED cable runs through the hole in the corner piece.

Attach the large pressure distribution plates together with the rivet washers and locknuts to the threaded rods. Tighten the locknuts only a few turns.

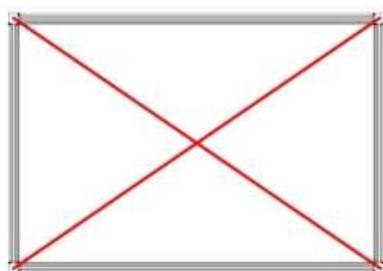
Next, attach the small pressure distribution plates with the M10 screws. Only then tighten everything evenly (crosswise).



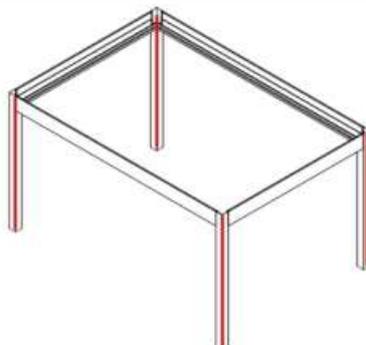


3. Check that the frame is level on all sides.

Check the cross



Check if the posts are spirit level



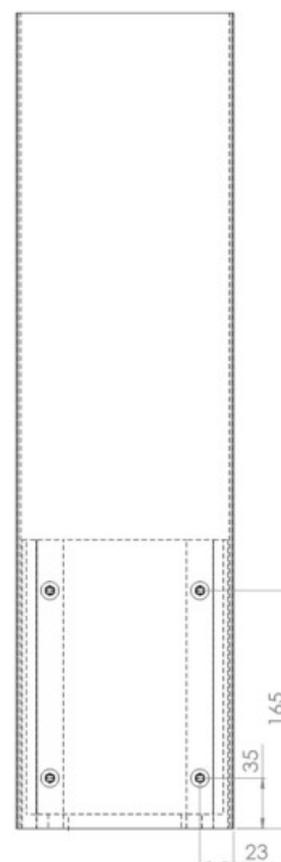
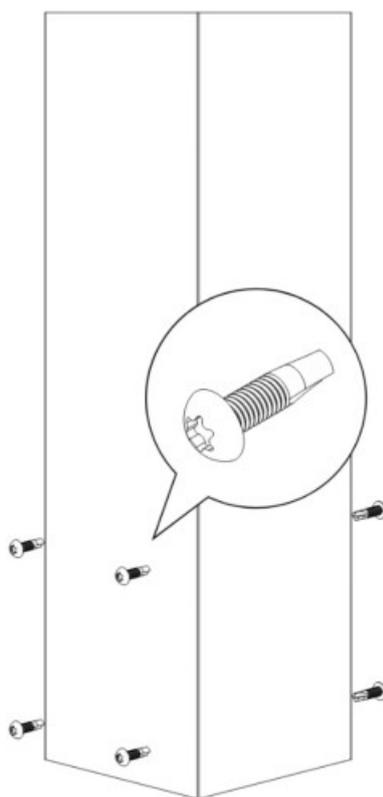
Check if the gutters are spirit level

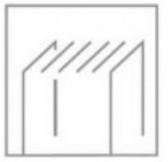


Optional: mounting with blind mounting bases.

Screw the posts to the blind mounting bases on at least two sides.

Do this with ST 6.3 x 25mm screws, 4 x per side. Position the screws as shown in the image below.

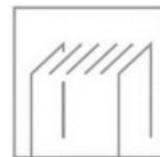




6.6 Installing the leaf catcher

1. Apply sealant to the underside of the leaf catchers.
2. Place the leaf catcher in the hole of the post and slide it into the RWD pipe.

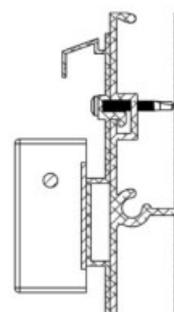
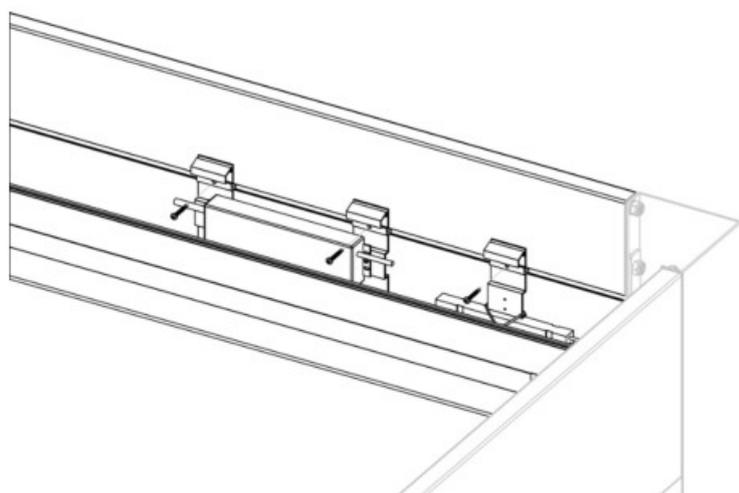
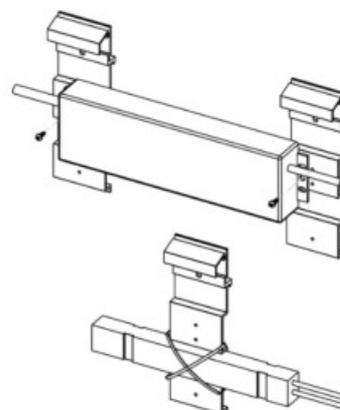
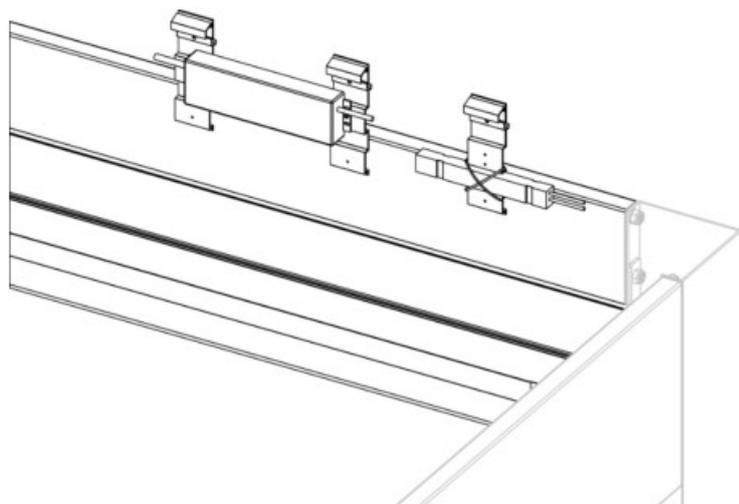


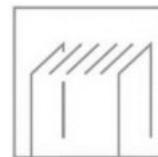


6.7 Positioning the power supply and LED receiver

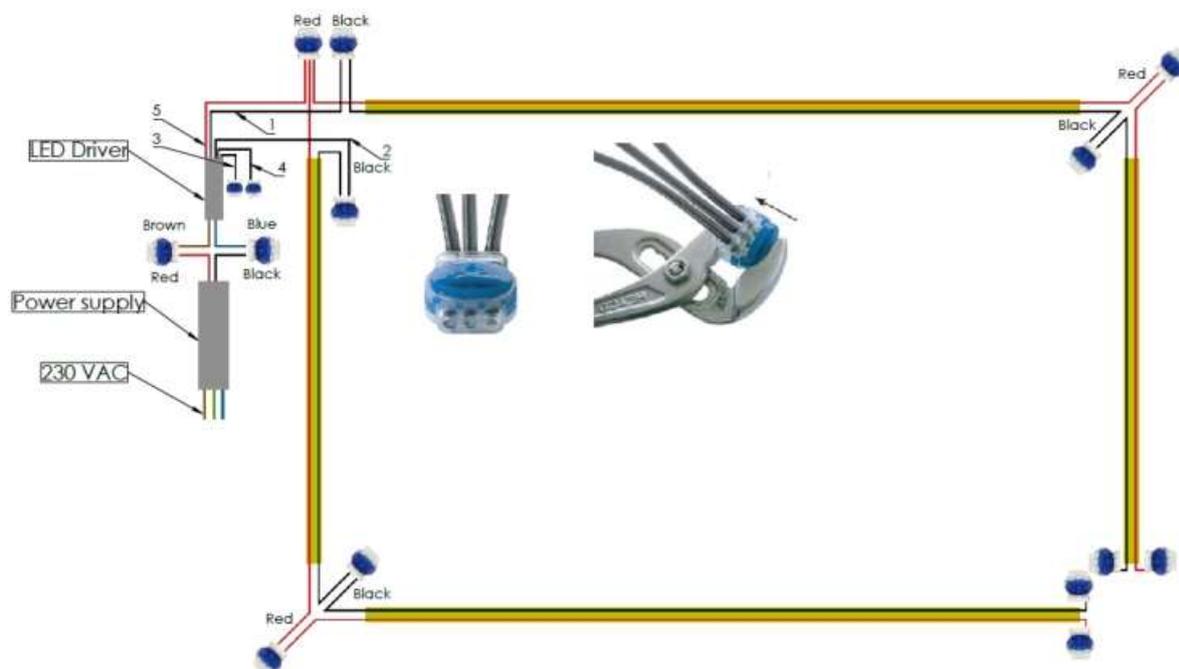
First determine in which gutter you will place the power supply and LED receiver. Use only the projection gutters for this.

1. Mount the power supply to the electronics brackets using the ST 2.9x9.5 mm screws.
Mount the LED receiver to the electronics bracket with the use of tie wraps.
2. If necessary, secure the brackets in the gutter with the self-drilling ST 4.2x32 mm screws.





6.8 Connecting the LED lighting



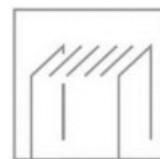
Connect the LED lighting according to the diagram above.

Comment 1: The LED lighting cables are soldered and therefore more vulnerable at the soldering point. Do not pull or bend intensively during installation.

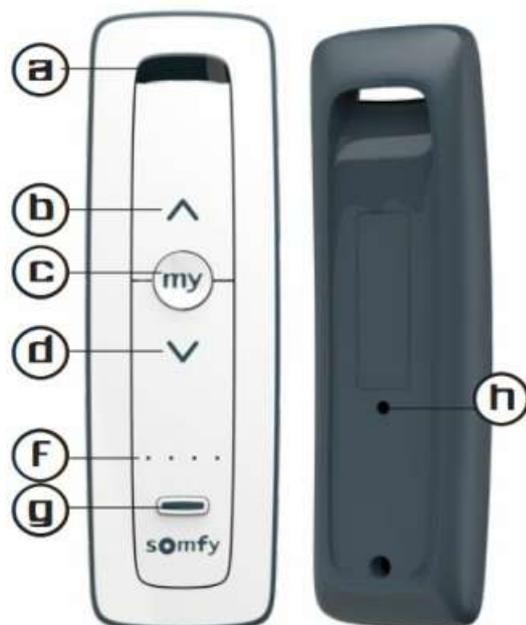
Comment 2: By using the scotchlok connector, there is no need to strip the ends of the cables.

Comment 3: Note that you can connect a maximum of 2 LED strips per channel.

Comment 4: Make sure to cap all loose wires with 1 scotchlok. Use only 1 scotchlok per loose wire. This will prevent short circuits between the wires and the frame, or the wires themselves.



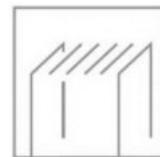
6.9 Programming the LED lighting



- A. Wall bracket for the remote
- B. Button up (on / open)
- C. Button stop / "my"
- D. Button down (off / close)
- F. Indicators for operating the keys and the channel selector
- G. Channel selection button
- H. PROG button

Remote control details:

Channels:	5
Battery type:	2430 Lithium
Battery voltage:	3V
Thickness:	22 mm
Width:	49 mm
Height:	145 mm
Colour:	White
Radio frequency:	433,42 MHz
Radio range:	20m through walls
Protection index:	IP30
Details:	Shock-resistant / For indoor use



Programming the LED lighting

Step 1: Switch on the power.

Step 2: Determine which channel of the remote control you want the LED lights connected to. Make sure the remote control is set to this channel.

Step 3: Connecting to cable group 1

Press the **Up** and **Down** buttons simultaneously. One of the LED lights will turn on and then off again. Press the **PROG** button shortly. The LED lighting will turn on and off again.

The remote control for this LED lights has been registered.

Step 4: Connecting to cable group 2

Make sure the remote control is set to the same channel as in step 3. Press the **Up** and **Down** buttons simultaneously. One of the LED lights will turn on and then off again. Press the **PROG** button shortly. The LED lighting will turn on and off again.

The remote control for this LED lights has been registered.



Removing the lighting programming

Step 1: Switch off the power supply for 4 s.

Step 2: Switch on the power supply again for about 10 s (minimum 5 s and maximum 15 s).

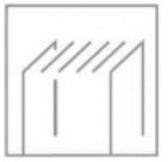
Step 3: Switch off the power supply for 4 s.

Step 4: Switch the mains power back on. All LED lights go on and off again.

Step 5: Press the **PROG** button on the remote control until all LED lights turn on twice and then off again. The receiver is reset to its original configuration.

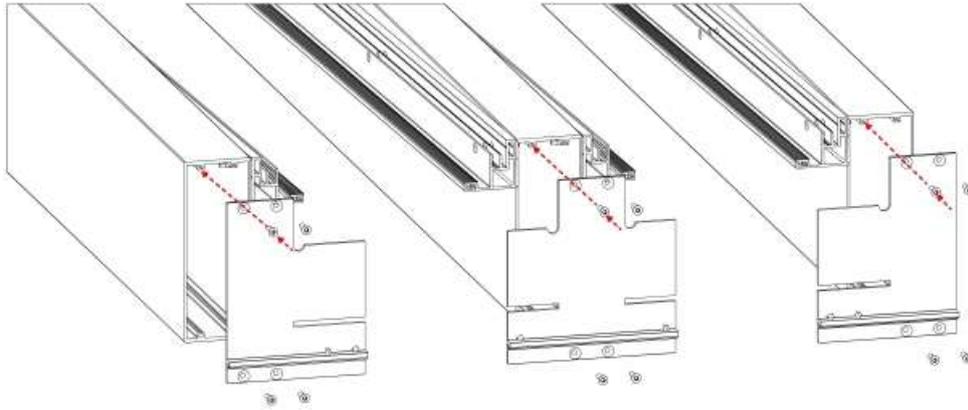
Lighting has been removed from the channels on your remote control.

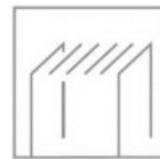




6.10 Prepare side and in between beam

1. Mount the mounting plates onto the side and in between beams. Use countersunk screws St. 4.2x30 for this.

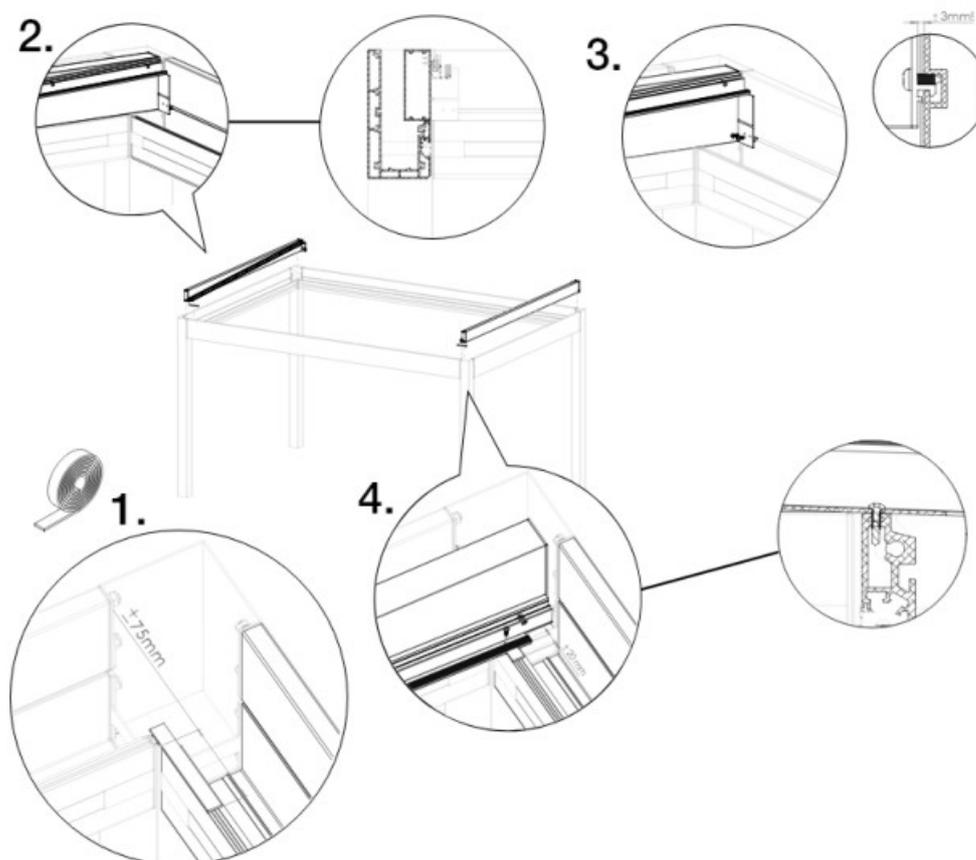


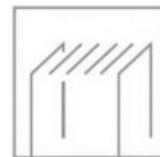


6.11 Placing the side beams

NOTE: The glass support profiles are pre-assembled on the beams, but they need to be tightened. Therefore, check whether all screws are properly tightened. Loose screws can result in leaks between the glass profiles and the beams and unsafe situations.

1. Cut 2 pieces of 100 mm from the roll of EPDM foam. Remove the protective film from the foam and stick the foam to both sides of the front gutter. Make sure the foam sits ± 75 mm on the gutter and is aligned with the gutter. This gasket functions as a water seal between the glass profile and the gutter.
2. Hook the side beams into the rear gutter with the hook and align the side beams with dropout gutters.
3. Screw the beams into the rear channel with the ST 5.5x16 mm screws. Which are already pre-mounted in the rear plate of the girders.
NOTE: ensure that there is still ± 3 mm space between the beam and the gutter. Later in the assembly process, a cover profile needs to fall in between the beam and the gutter. That is where this 3 mm is needed for.
4. Pre-drill a $\varnothing 4.5$ mm hole in the glass profile of the side beams that aligns with the slot in the front gutter. Then screw the glass profile to the gutter using the ST 4.2x19 mm screw. Do this for both side beams.

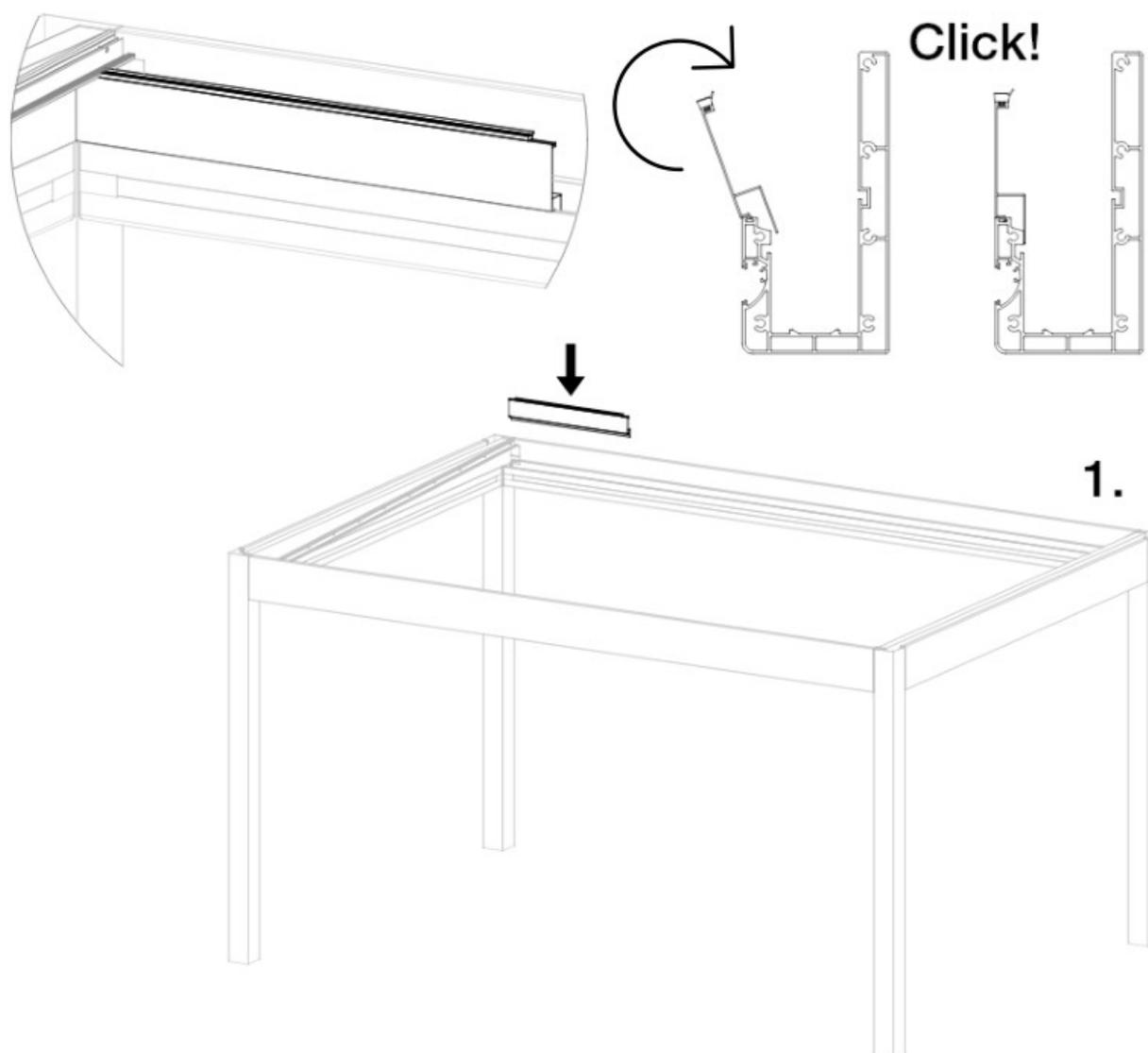


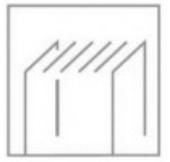


6.12 Installation of finish covers and intermediate rails

Note: When installing the finish covers and in between beam, work from one side to the other. This makes for easier assembly.

1. Place the finish cover in the large profile. Caution! Make sure that during installation the finish cover is held tightly against the side rail. This ensures that the finish cover clicks into the channel profile and into a piece of the post.



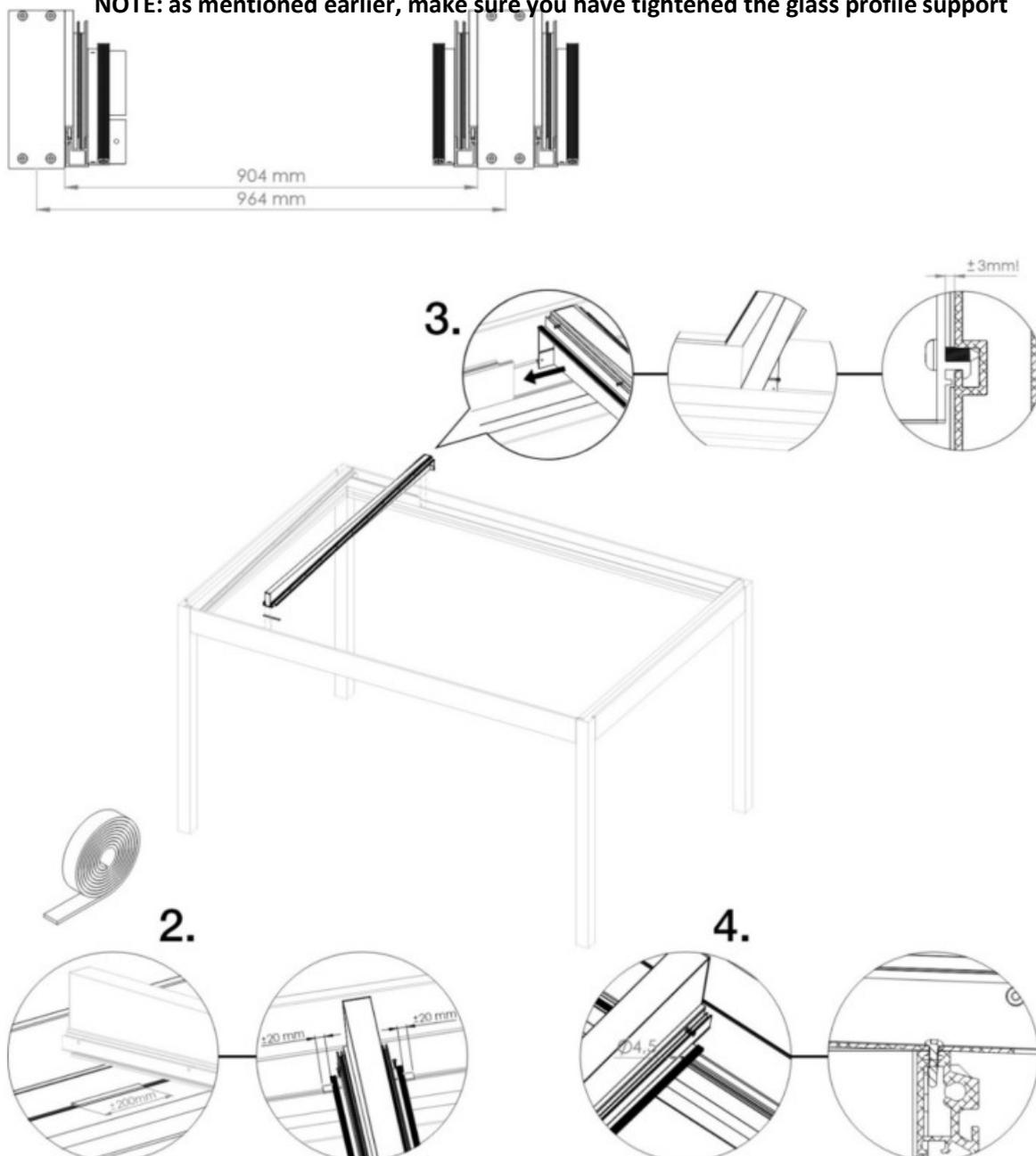


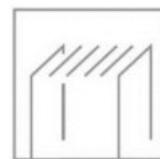
2. Cut a ± 200 mm piece from the roll of EPDM foam. Remove the protective film from the foam and stick the foam to the front gutter in the centre of the in-between beam. Make sure the foam is aligned with the gutter and extends ± 20 mm on both sides of the in-between beam.
3. Hook the in-between beam into the rear gutter with the hook, then slide the beam against the top cover. Screw the beam into the rear gutter with the 2x ST 5.5x16 mm screws. Which are already pre-mounted in the back plate of the girders.

NOTE: ensure that there is still ± 3 mm space between the beam and the gutter. Later in the assembly process, a cover profile needs to fall in between the beam and the gutter. That is where this 3 mm is needed for.

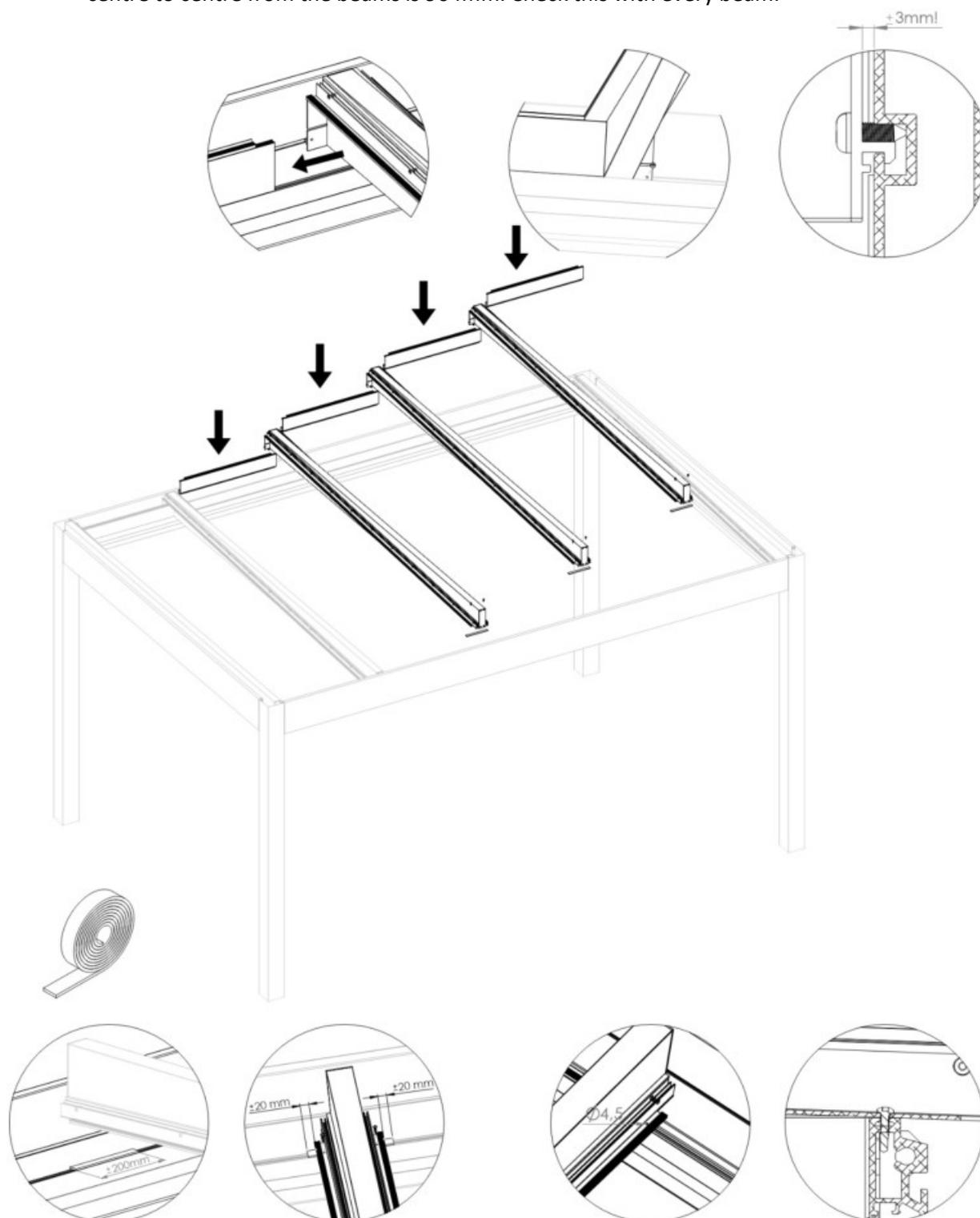
4. Pre-drill a $\varnothing 4.5$ mm hole in the glass profile of the in-between beams that aligns with the slot in the front gutter. Then screw the glass profile to the gutter using the ST 4.2x19 mm screw.

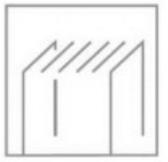
NOTE: as mentioned earlier, make sure you have tightened the glass profile support





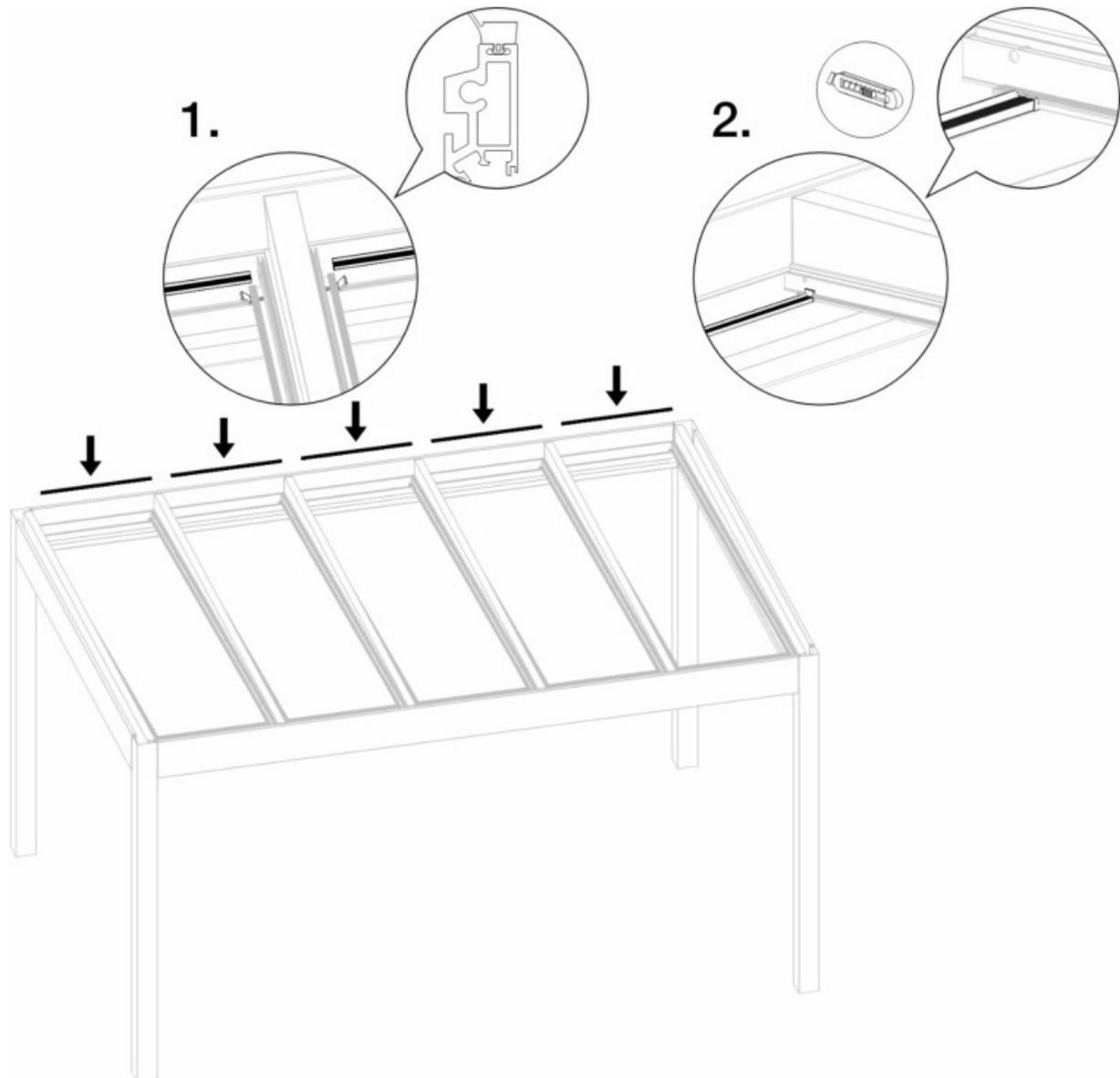
5. Repeat the previous steps 1 to 4 for the remaining finish covers and in between beams. Make sure to work your way through the beams starting from one side to the other. The centre to centre from the beams is 964mm. Check this with every beam.

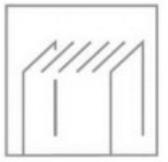




6.13 Installation of gutter rubbers

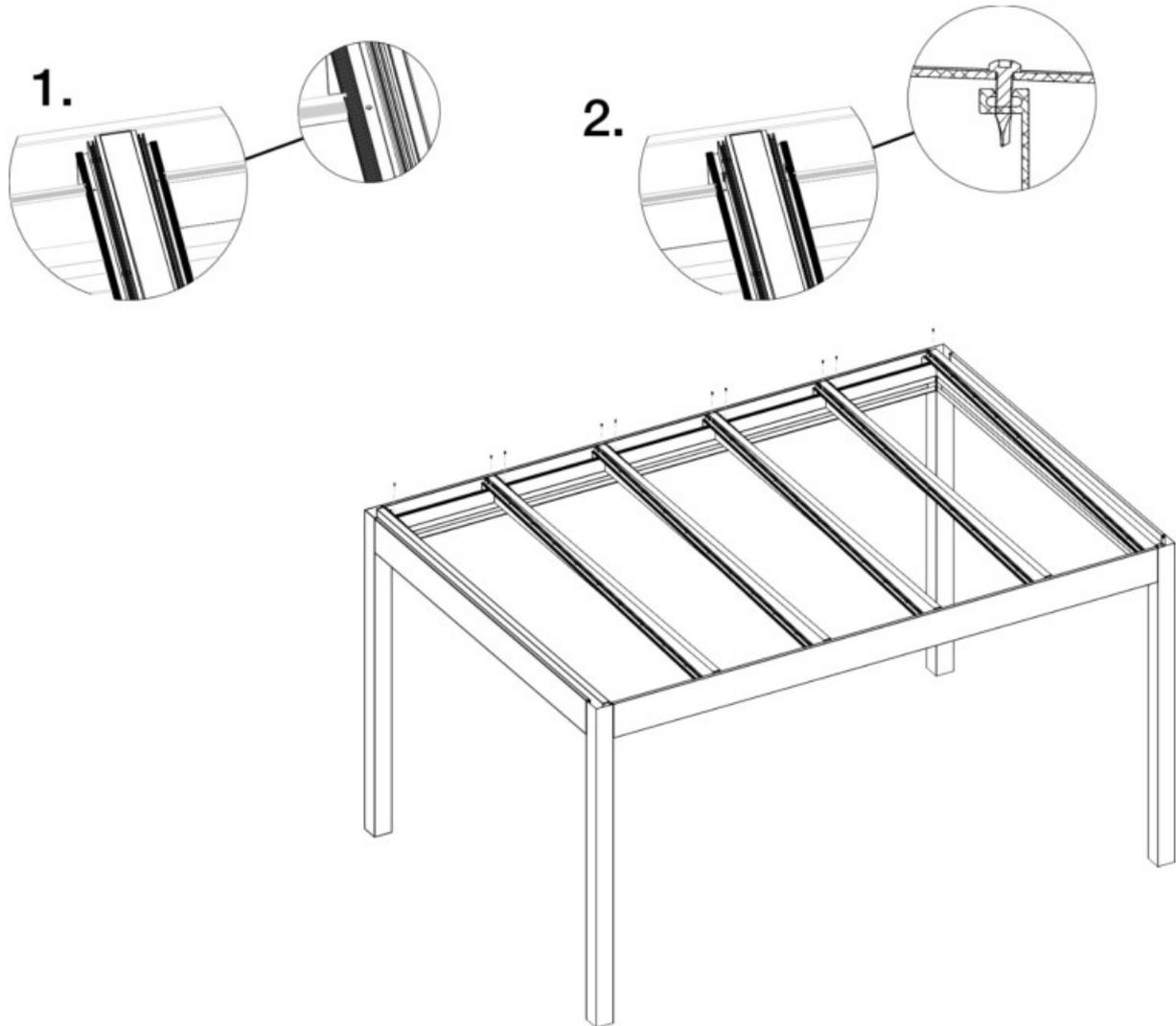
1. Fold over the protruding flaps of the foam and place the rubber in the gutter.
2. Cut off the foam flaps at the level of the gutter rubbers.

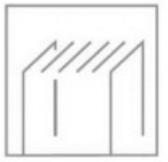




6.14 Screwing the beams onto the finish cover

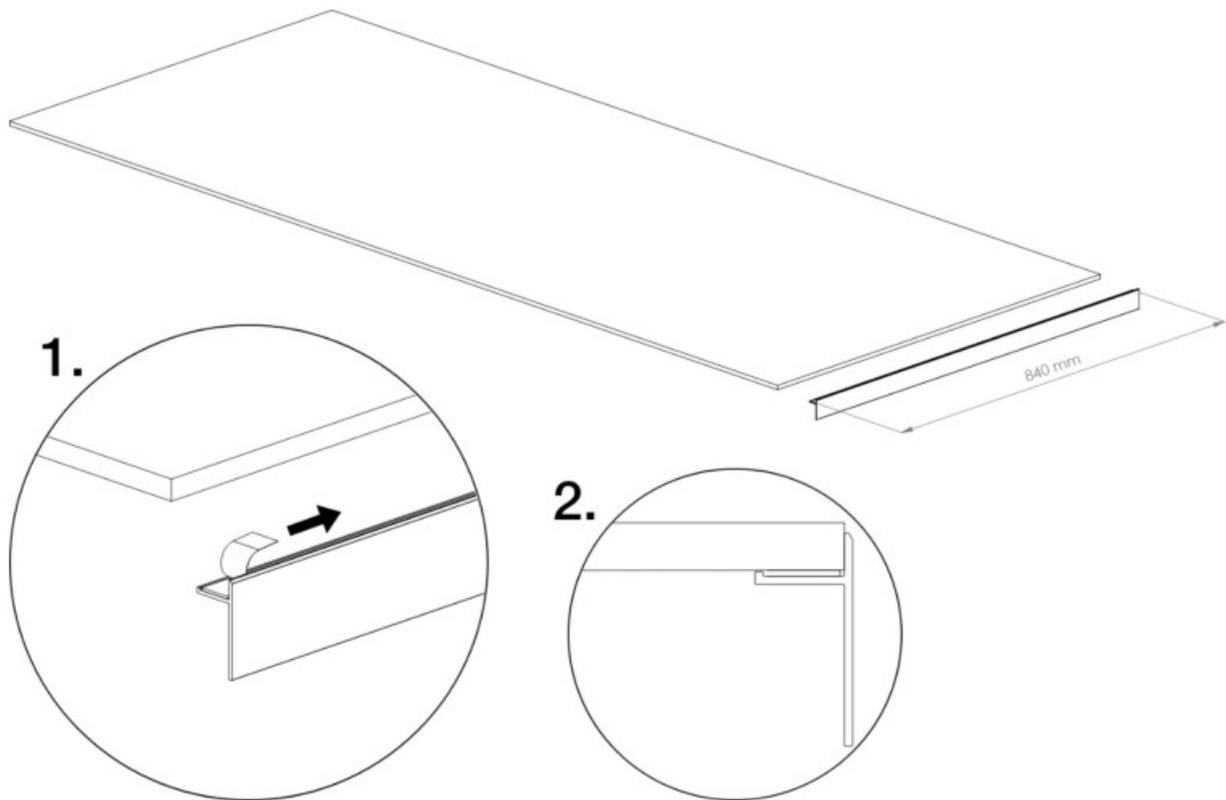
1. Pre-drill $\varnothing 4.5$ mm holes in the glass profiles of the beams that align with the slot in the finish covers.
2. Screw the glass profiles to the finish covers with the ST 4.2x19 mm screws (optional)

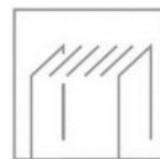




6.15 Preparation of the glass panels

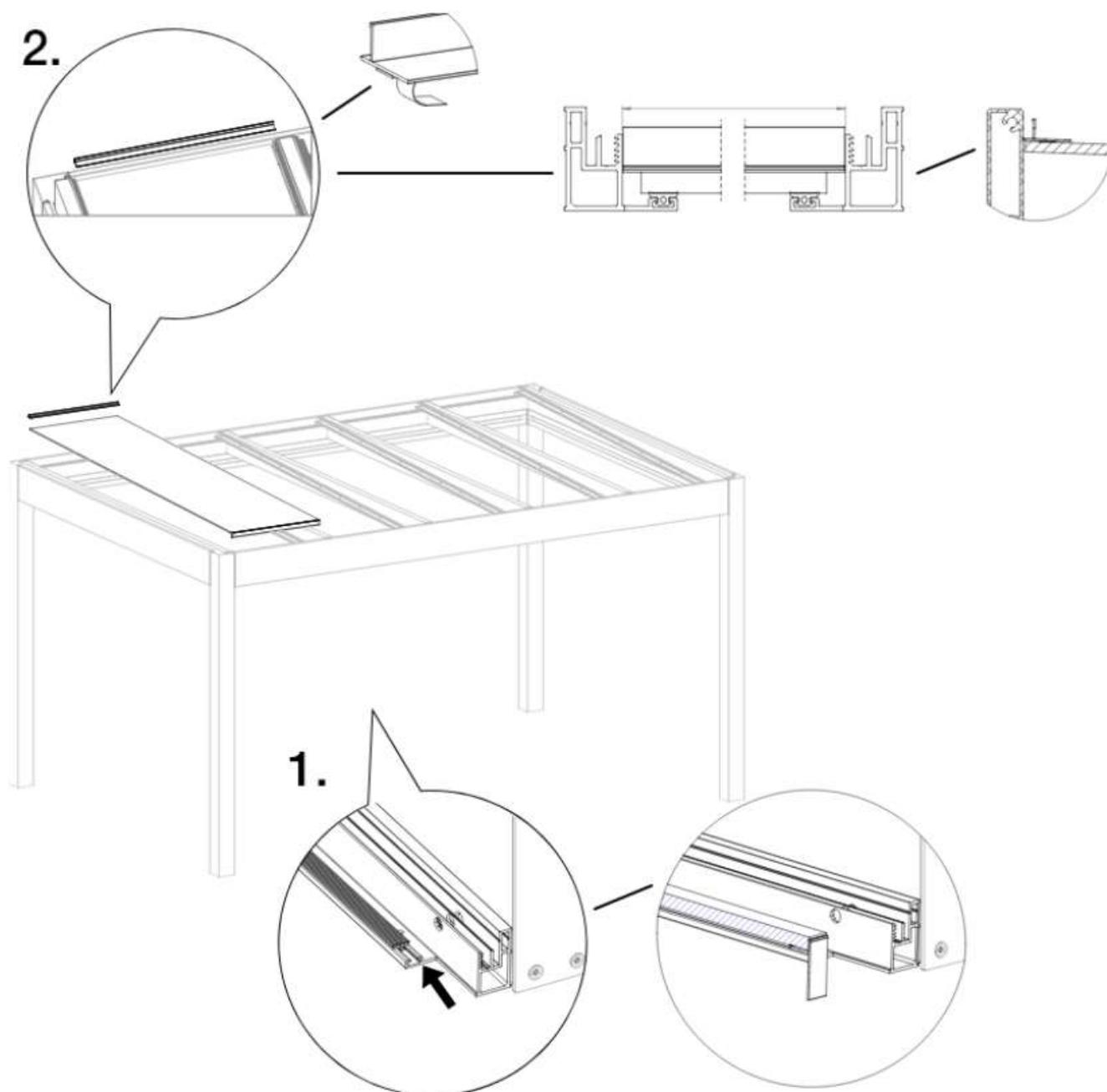
1. Remove the protective film from the tape.
2. Stick the glass drip profile on the underside of the glass on the end side.
3. Repeat steps 1 and 2 for all glass panels.

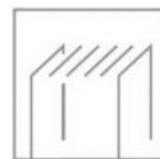




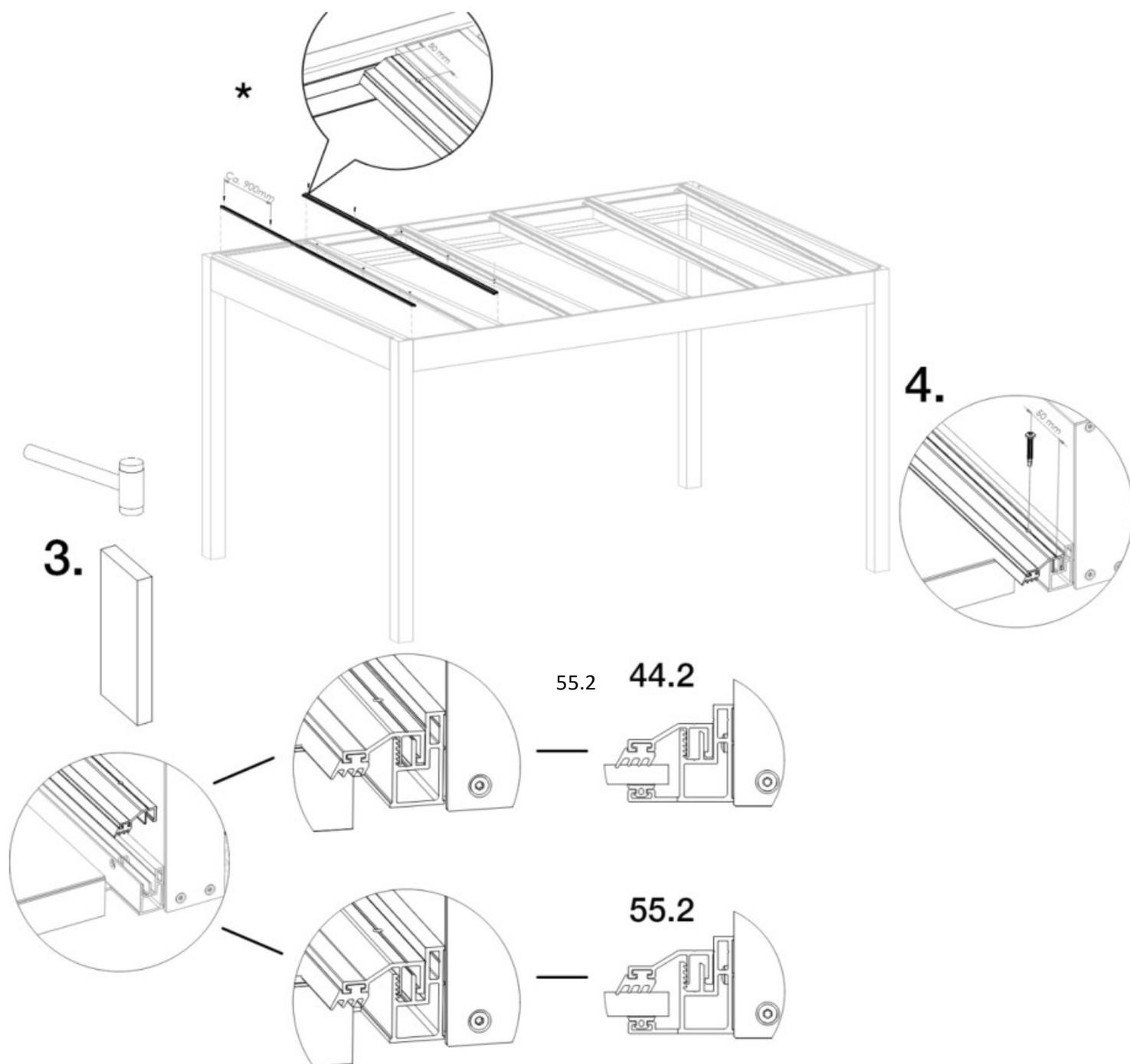
6.16 Installation of glass panels and glazing beads

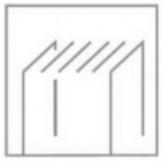
1. Slide back the rubber of the glass profile to allow the glass drip profile to lie on the glass profile. Then lay the first glass pane between the beams on the glass profile.
2. Remove the protective film from the tape and stick the splash profile to the glass panel. Make sure that the splash profile falls between the glass profiles and lies against the gutter.



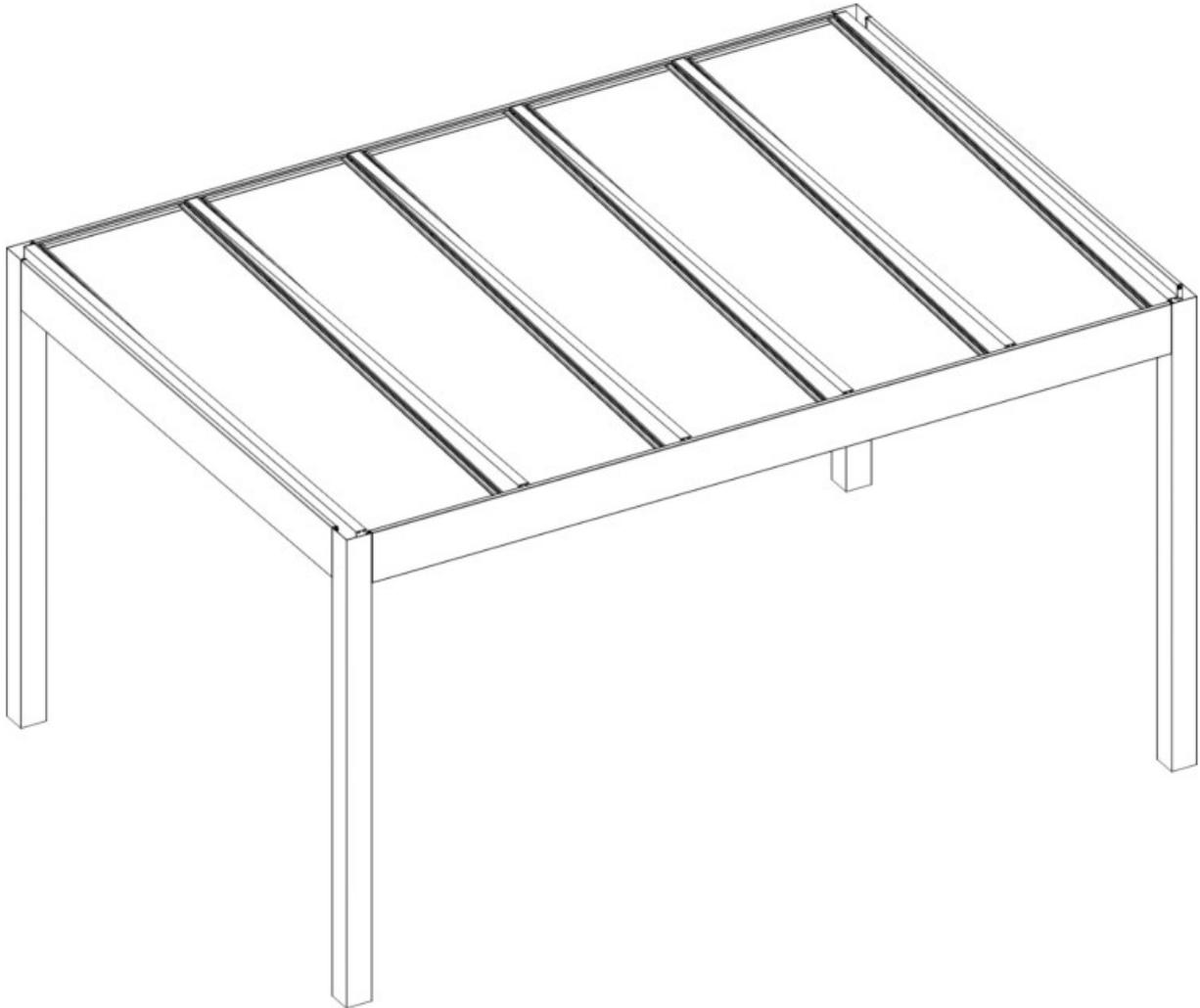


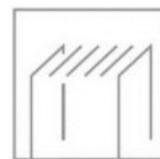
3. Click the glazing beads into the glass profiles. Tap the glazing beads firmly into place. You can use, for example, a rubber hammer and a wooden block for this.
*Make sure that the glazing beads lie against the splash profiles at the back.
4. Pre-drill $\varnothing 4.5$ mm holes in the glazing beads. Drill the holes approximately 900 mm apart. Start about 50mm from the end and end about 50 mm from the end. Then screw the glazing beads to the glass profiles with the ST 4.2 x 32 mm screws.





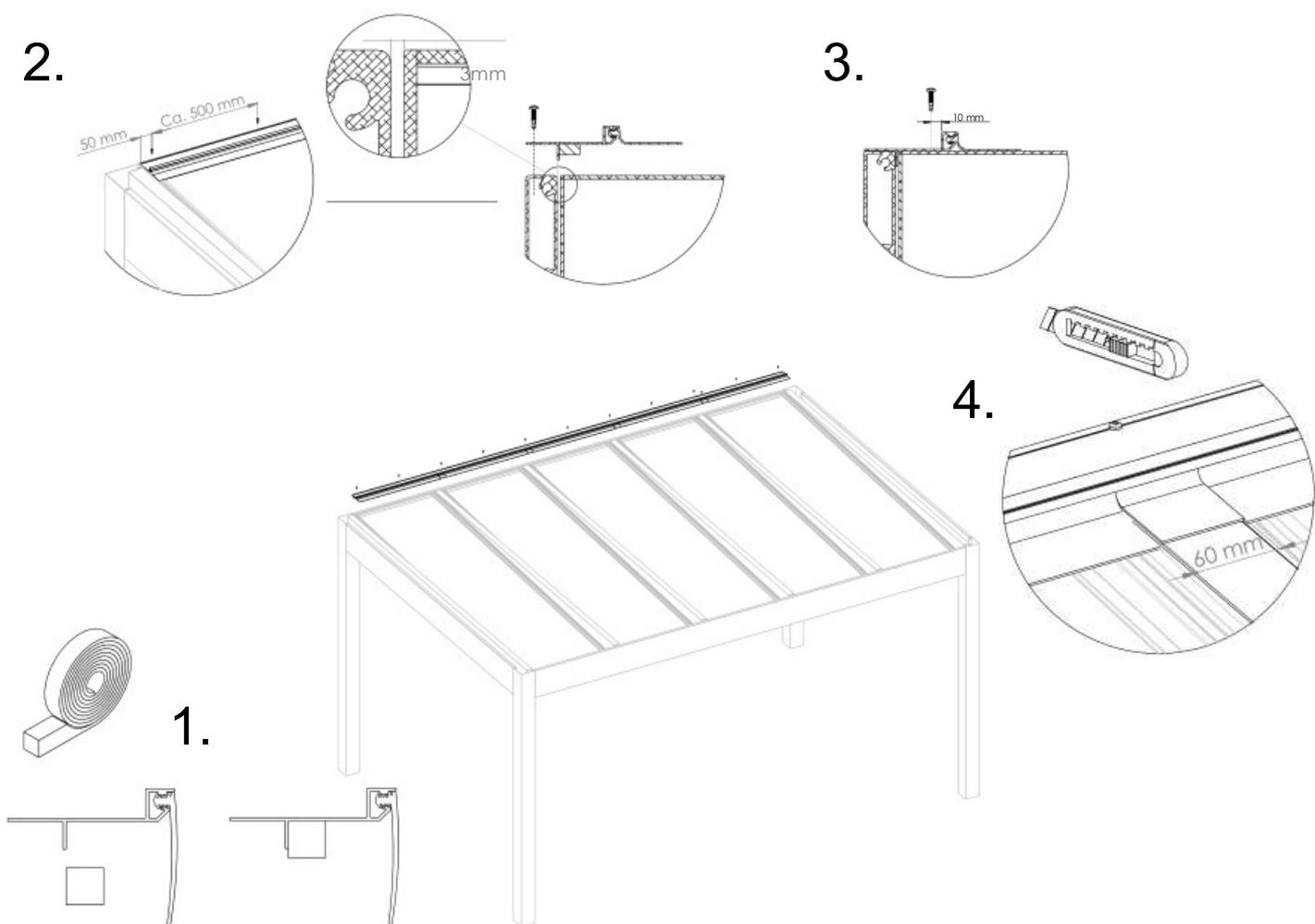
5. Repeat the previous steps 1 to 4 for the remaining glass panels and glazing beads.





6.17 Assembling the rear cover

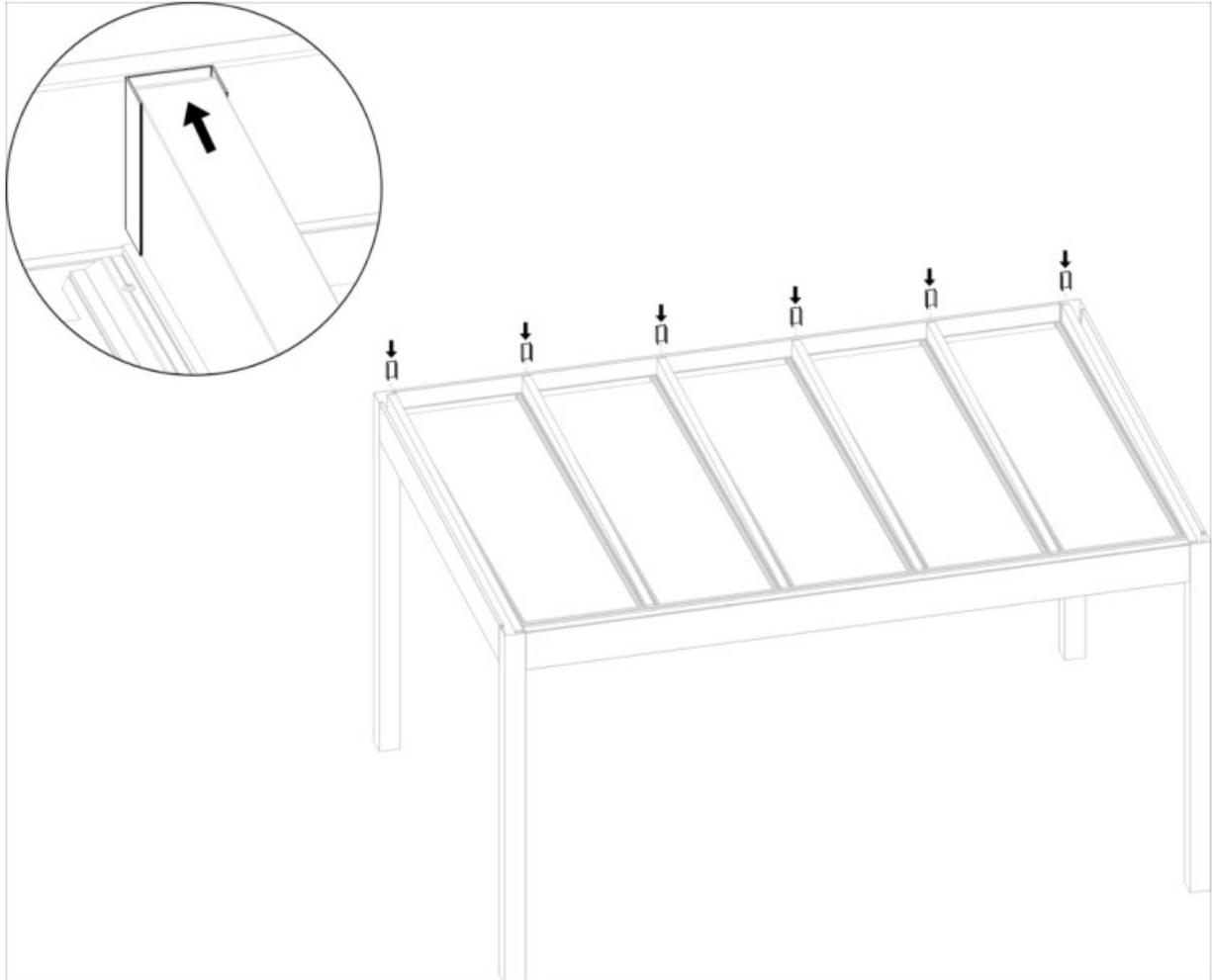
1. **Stick the compriband to the underside of the rear cover cap. Do this along the entire length of the profile, tightly against the protruding rib on the side of the rubber.**
2. Pre-drill $\varnothing 4.5$ mm holes in the cover. Drill the holes approximately 500 mm apart. Start approximately 50 mm from the end and end approximately 50 mm from the end. Then screw the cover to the gutter with the ST 4.2 x 19 mm screws.
3. Also screw the cover profile to all in between beams. Do this 10 mm from the raise of the cover profile.
4. Cut the rubber on both sides of the in between beams. Keep the width of 60 mm and cut the rubber 40 mm. This ensures a better fit between the rubber and the glass.

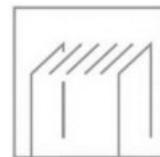




6.18 Assembling cover U-profiles

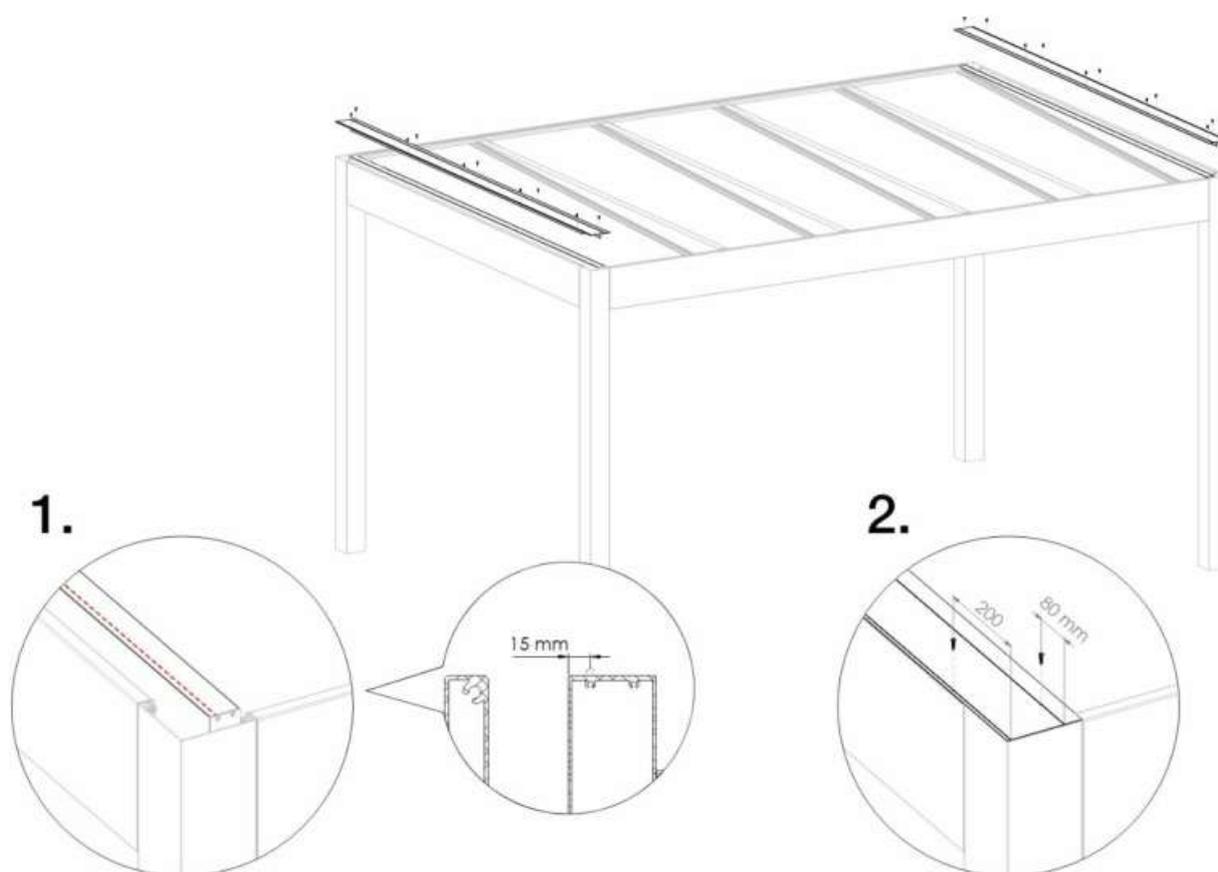
Place the cover U-profiles over the beams and slide them against the gutter. Align them with the top of the beams.

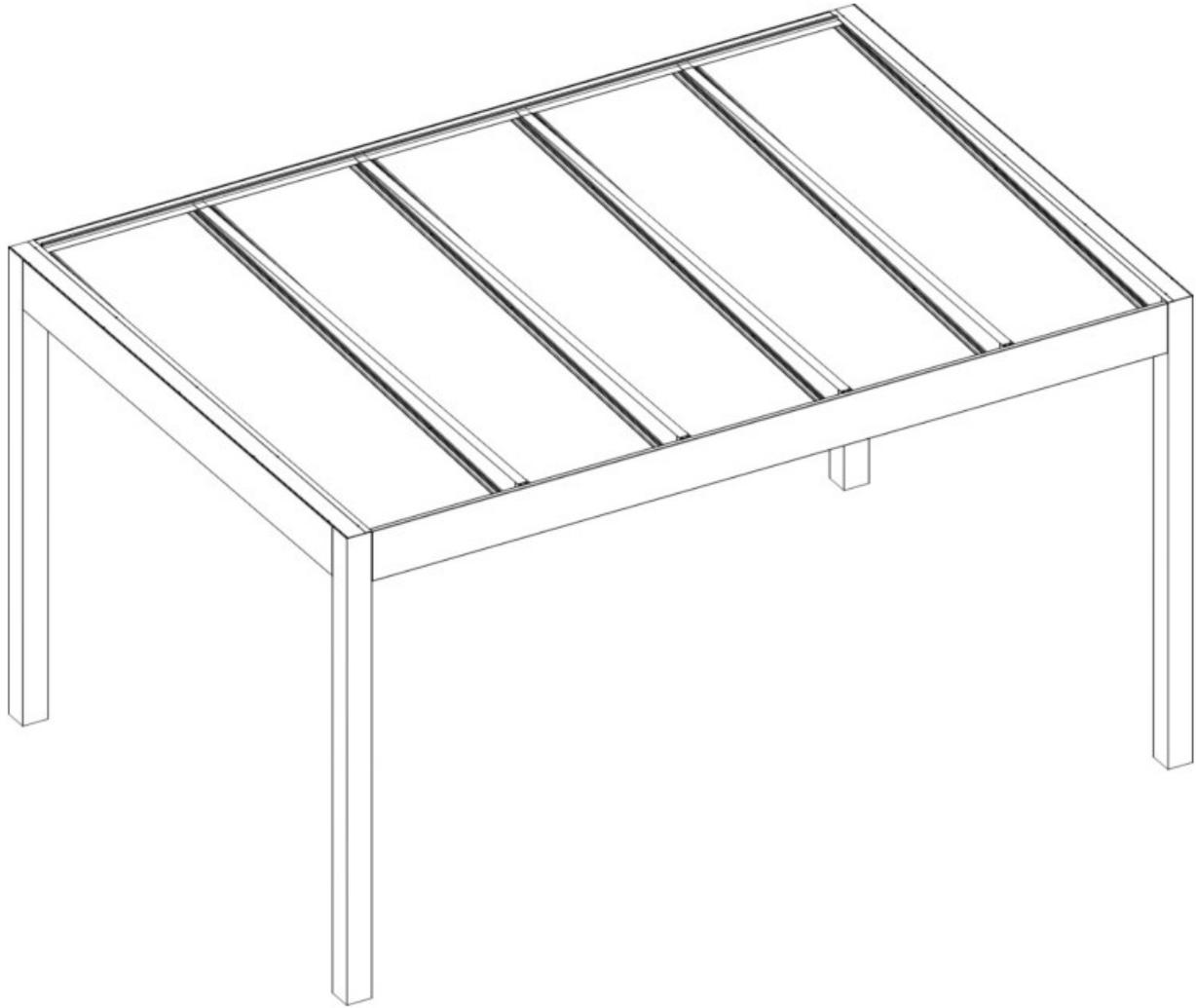
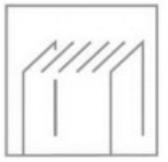




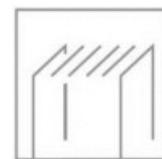
6.19 Installation of the side covers

1. Apply a line of sealant to the two side beams. Do this approximately 15 mm from the side and along the entire length.
2. Pre-drill $\text{Ø}4.5$ mm holes in the side cover. Drill the holes approximately 500 mm apart. For the outside of the profile (attachment to the gutter), start about 200 mm from the end and end about 200 mm from the end. For the inside of the profile (attachment to the side beam), start about 80 mm from the end and end about 80 mm from the end. Then screw the side covers to the gutter and the side beams with the ST 4.2x19 mm screws.





Congratulations! Your veranda is now finished!



8. Maintenance

We recommend that you maintain and clean your veranda at least once a year. Check whether the screw connections are tight. If not, tighten them firmly.

The aluminium profiles and roofing sheets that are dirty can be cleaned with lukewarm water and a cleaning product.

- For cleaning and washing, use plenty of water, soft material and a sponge.
- Never use abrasives or aggressive solvents (no acids or alkalis). However, solvents (washing-up liquid and Glassex) are allowed to remove greasy dirt.
- Never use a high-pressure sprayer.

Halle B.V. has a special cleaning product in its range. Ask your partner.

9. Waste disposal

Dispose of the product according to local laws and regulations.

10. Warranty conditions

Warranty in accordance with the warranty conditions and Halle's general terms and conditions. These can be found on the website www.Halle.com

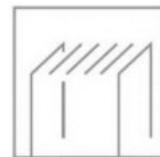
All manufacturing defects are covered by the warranty within the following periods.

Powder coating (Standard aluminium parts)	5 years*
Remote control and receivers	2 years
Electricity	2 years
LED lighting	2 years

** The powder coating warranty of aluminium parts is two years when the product is placed in a place where it comes into contact with salty or chemical steam (such as harbours, coast and swimming pools).*

11. Contact

Your Halle partner is your first point of contact for questions and comments.



CE	
1231	
Deponti Rijnstraat 20a 5347KN Oss NL 25 1231-CPR-1090-1-2410-D-344	
EN 1090-1:2009/A1:2011 PLPG Pinela Glass Canopy	
Declared properties:	
Tolerances on geometrical data:	EN 1090-3
Weldability:	NPD
Fracture toughness:	NPD
Reaction to fire:	A2 - s1, d0
Release of cadmium:	NPD
Emission of radioactivity:	NPD
Durability:	NPD
Structural characteristics:	
Load bearing capacity:	Load chart acc. to Eurocode 0, 1, 9
Deformation at serviceability limit state:	Acc. to maximum load charts
Fatigue strength:	NPD
Resistance to fire:	NPD
Manufacturing:	1090-3, EXC2
NPD = No Performance Declared	