

Conservatory Matilda



Conservatory with sliding doors Specifications & Instructions





Specifications

The Conservatory includes the following parts:

Glulam frame

- Dimensioning: 2,5 KN/m²
- Untreated spruce/pine wood

Please note that the fascia and soffit boards on the long sides of the building are additional materials - these are not included in the kit

Specifications 15 m²

- Total height: 2818 mm
- Roof angle: 15°
- External measurements: 4600 x 3200 mm

Specifications 20 m²

- Total Height: 3068 mm
- Roof angle: 19°
- External measurements: 4939 x 3964 mm



Sliding glass doors with aluminum profiles

- 6 mm tempered glass
- Aluminum profiles, colour: RAL 9010
- Fixing rails, sliding profiles and mounting material
- Handle (no lock)

Opening dimensions 15 m²

- 4420 x 2000 mm in 3 modules on the long sides
- 2600 x 2000 mm in 3 modules at the front

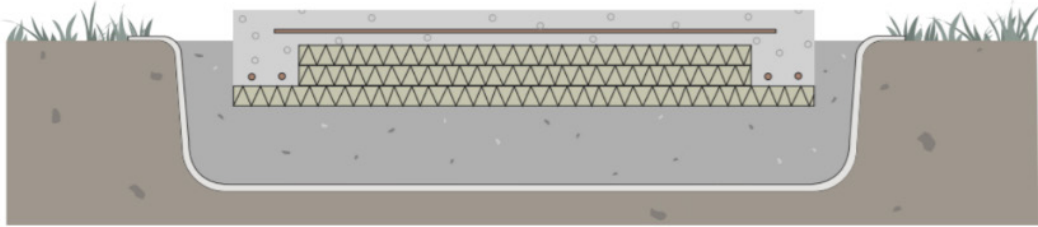
Opening dimensions 20 m²

- 4763 x 2000 mm in 3 modules on the long sides
- 3030 x 2000 mm 3 modules at the front

Polycarbonate roof and roof drainage system

- RIATHERM Polycarbonate, 16 mm x-structure with Heatstop
- Colour: Opal White
- Drainage pipes in white plastic

Detailed material specifications and drawings are available on the product page.



Foundation

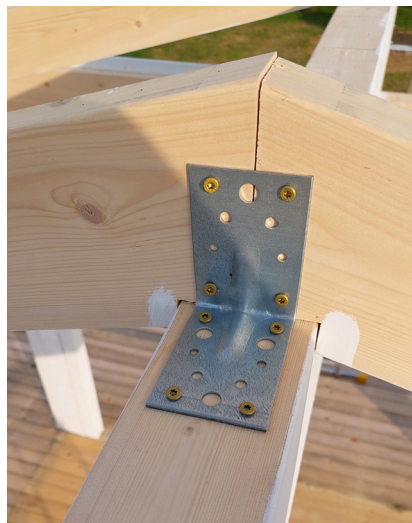
The base for your conservatory can be laid down as a poured concrete foundation or using concrete slabs to form a whole surface. You can also use wooden beams and lay down decking boards. The foundation and flooring material is not included in the kit.

Depending on the type of foundation you have chosen, you add the fixing material that suits your foundation. We recommend using galvanised or stainless steel metal angles to fix the supporting posts.

The size of the house is precisely indicated in the drawings on the product page.

Mounting the Glulam frame

Follow the drawings and material list on the product page to identify the location of the different parts in the structure.



Supplement with this type of angle for all attachments to the Glulam frame. The angles are fixed with anchor screws.

Building component	Number of angles
Poles	8 pcs
Supporting glulam beams (above glass sections)	8 pcs
Central ceiling beams	2 pcs
Roof trusses 15 m ²	21 pcs
Roof trusses 20 m ²	33 pcs



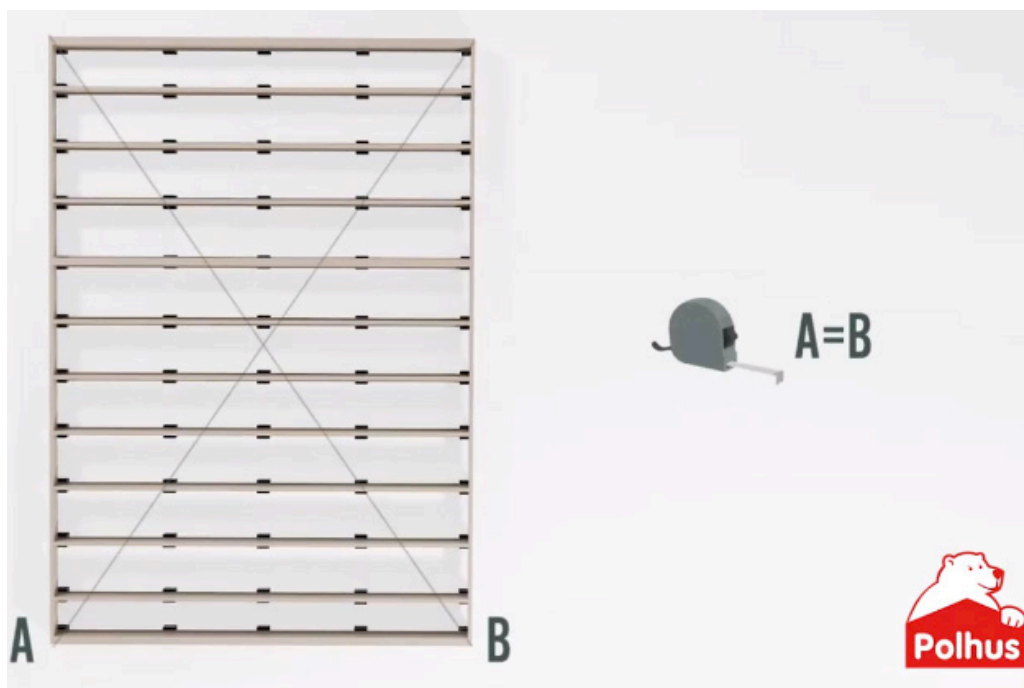


Figure 1. Measure the diagonal.

Measure the diagonal of the house before fixing to ensure that the house is perpendicular.

Mounting the other parts

Polycarbonate roof and drainage system

We've chosen a modern polycarbonate roof with good light transmission, smart heatstop technology and insulating properties.

When it's time to install the polycarbonate roof, we recommend looking through this **manual**.

Mounting the sliding doors

Keep in mind:

- Check that the door openings are perpendicular by measuring the diagonal before installing the sliding doors (see fig. 1). Also check that the different sides are level/plumb using a spirit level.



Figure 2. Make sure that the door openings are perpendicular

- Ensure that the aluminum profiles are level continuously during assembly, to avoid difficulties when it is time to lift the sliding doors into place.
- Always pre-drill through the aluminum profiles before fitting, using a metal drill of approx. 6 mm. Complete with suitable screws for fixing metal profiles in wood.
- The screw holes should be sealed with silicone when attaching the aluminum profiles.
- Start by fitting the outer door and then work your way inwards.



Mounting the bottom profiles

Start with the aluminum profiles that run along the floor. The rail should be fitted 15 mm from the outer edge of the beam. Place the angled rail with the slope towards the outer edge, so that it can drain the water (see fig. 3).

Make sure that the rail is level all the way, both lengthwise and widthwise. Use wedges if necessary. Fix the rail with 4.5 x 50 mm screws, spaced about 800 mm apart along the length. The profile must be stable to withstand the wind load (see fig. 3). Remember to seal the holes with silicone.

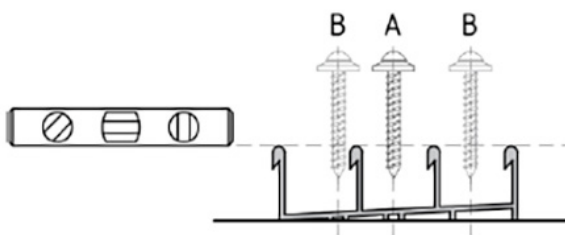


Figure 3. A: Main attachment points, B: Alternative attachment points

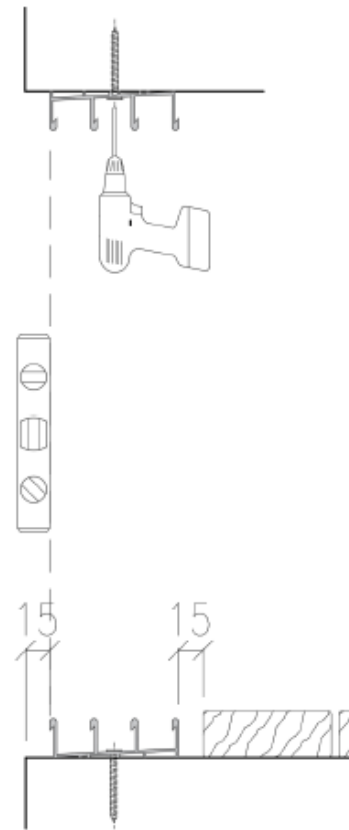


Figure 2. Positioning of aluminum profiles



Mounting the top profiles

Place the top rail parallel to the bottom rail. Make sure the profile is level. Use wedges to align the rail if necessary. Measure carefully at several points and check that the distance between the top and bottom rail does not differ by more than 1 mm maximum (see fig. 2).

Fix the upper rail in the same way as the lower rail. Use the same screws and fix them at a distance of about 800 mm (see fig. 3). Don't forget to seal the holes with silicone.

Fit the sliding doors

1. Angle the upper part of the door and lift it until you feel a resistance
2. Place the door vertically
3. Angle the bottom of the door and lower it onto the rail

Check that the sliding door is firmly attached and slides well in the tracks. If it catches anywhere, adjust the rails.

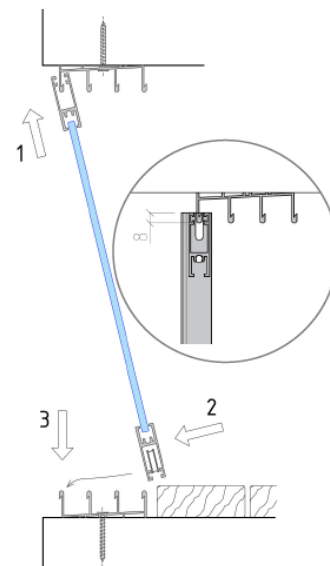


Figure 4. Angle the doors

The rest of the doors should be installed in the same way. Be sure to follow the steps and install the doors in the correct order (From the outside and in). That way the doors will lock to each other and move together (fig. 5).

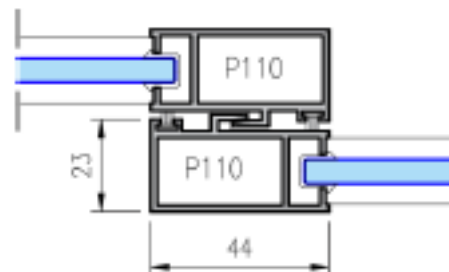


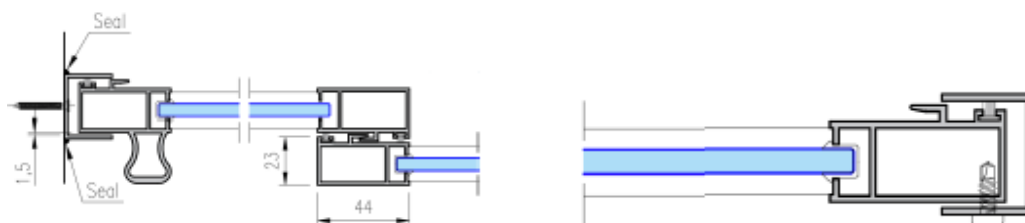
Figure 5: Correctly fitted doors

When all the doors are fitted, close all doors. Then check that the outer edges of the doors are plumb and parallel to the corner posts of the glulam structure. If they are not parallel, adjust the horizontal rails and check again.

Mount the vertical profiles

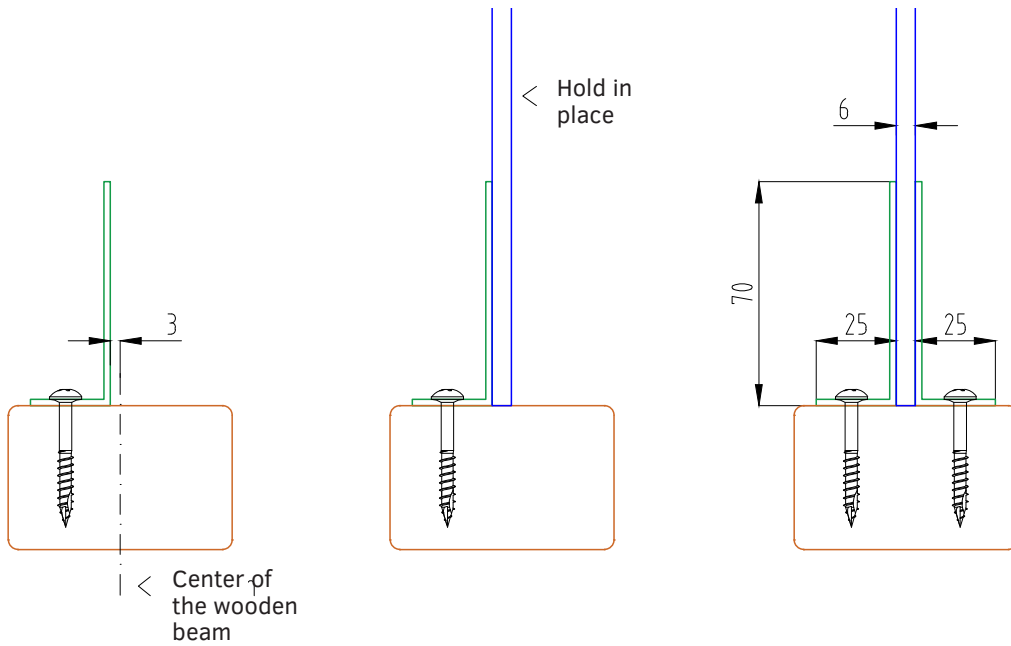
1. Attach the U-profile to the edge of the sliding door.
2. Slide the door with the U-profile to the post where it will be mounted.
3. Mark the position of the U-profile on the corner post with a pencil.
4. Pre-drill and secure the U-profile with metal screws. Seal with silicone.

If you wish, you can attach some of the doors so that they cannot be opened. In this case, drill from the inside through the u-profile and fix the structure to the post with metal screws.





Fitting the triangle windows



Step 1

Fasten the outer L-profile with wood screws

Step 2

Place the glass and hold it in place

Step 3

Fasten the inner L-profile with wood screws