GARDEN ROOMS THAT GIVE YOU
MORE SPACE

ASSEMBLY INSTRUCTIONS

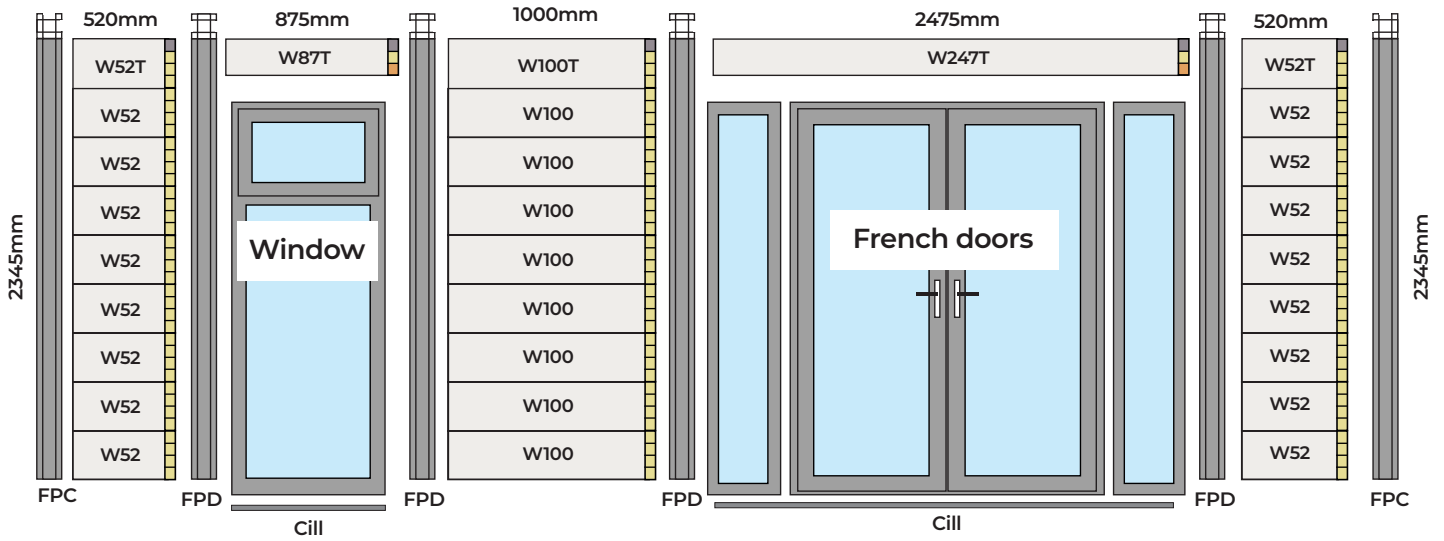## 6m x 2.6m Composite Garden Room

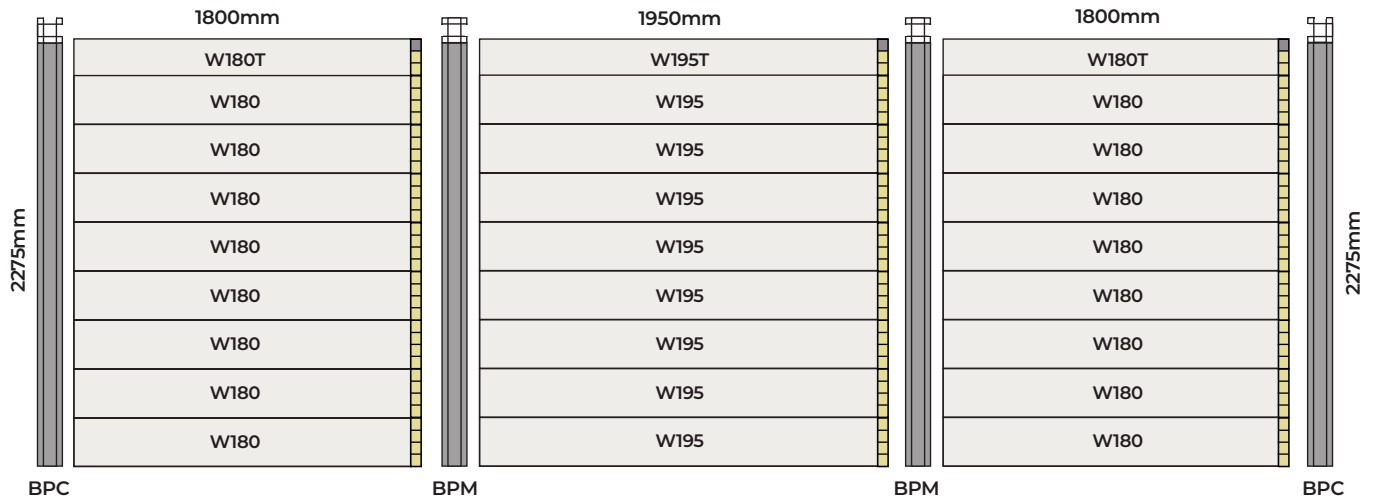# GARDEN ROOM KIT 6M x 2.6M

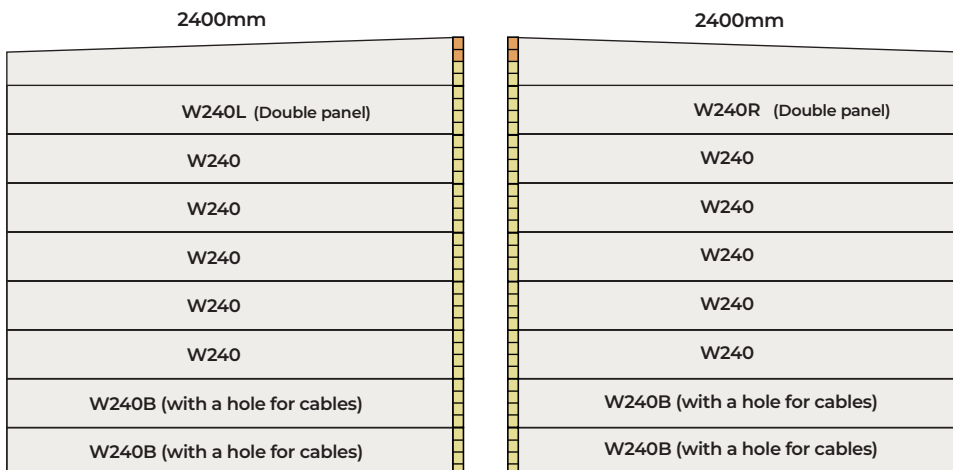## Front wall panels

520mm	875mm	1000mm	2475mm	520mm
W52T	W87T	W100T	W247T	W52T
W52		W100		W52
W52	Window	W100		W52
W52		W100	French doors	W52
W52		W100		W52
W52		W100		W52
W52		W100		W52
W52		W100		W52
W52		W100		W52

2345mm

FPC   **FPD**   Cill   **FPD**   **FPD**   Cill   **FPD**   **FPC**

Back wall panels and posts

1800mm	1950mm	1800mm
W180T	W195T	W180T
W180	W195	W180
W180	W195	W180
W180	W195	W180
W180	W195	W180
W180	W195	W180
W180	W195	W180
W180	W195	W180
W180	W195	W180

2275mm

BPC   **BPM**   **BPM**   **BPC**

Side wall panels

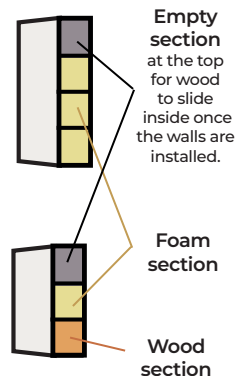| 2400mm	2400mm
W240L (Double panel)	W240R (Double panel)
W240	W240
W240	W240
W240	W240
W240	W240
W240	W240
W240B (with a hole for cables)	W240B (with a hole for cables)
W240B (with a hole for cables)	W240B (with a hole for cables)

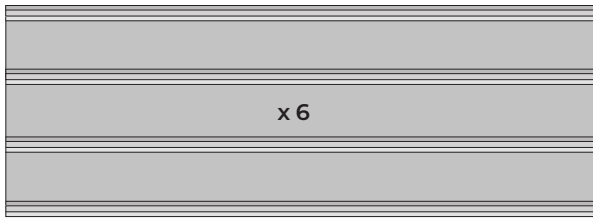**Front post metal insert** x6

Back post metal insert x4

All wall panels can be identified by the length and empty or wooden sections, e.g., **W195T** - a wall panel 1950mm long, to be used at the top (with top empty section).

Empty section at the top for wood to slide inside once the walls are installed.
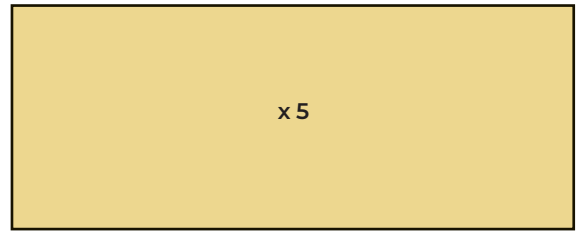
Foam section

Wood section

GARDEN ROOM KIT 6M x 2.6M

Roof panels

x 6

Start the roof installation by using the R1 panel on the right side. Use R2 panels for the middle section and finish the installation with the R3 panel.
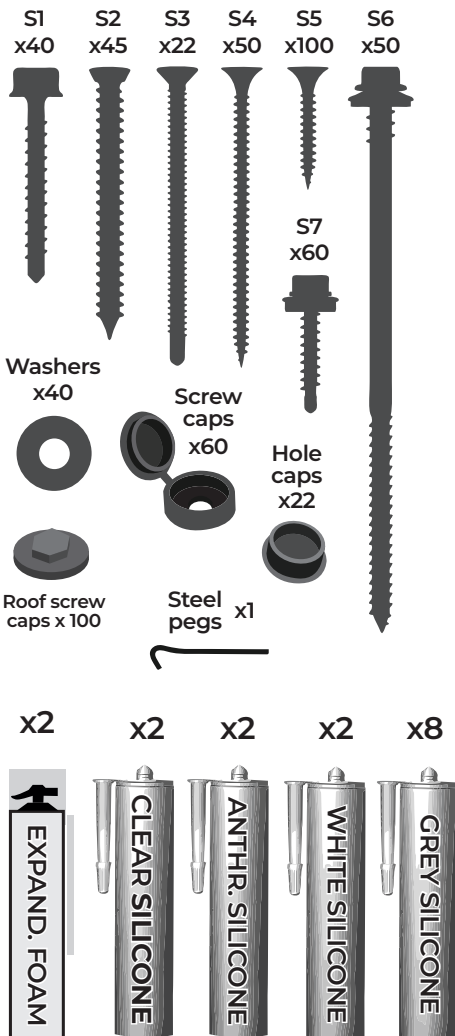
Floor panels

x 5

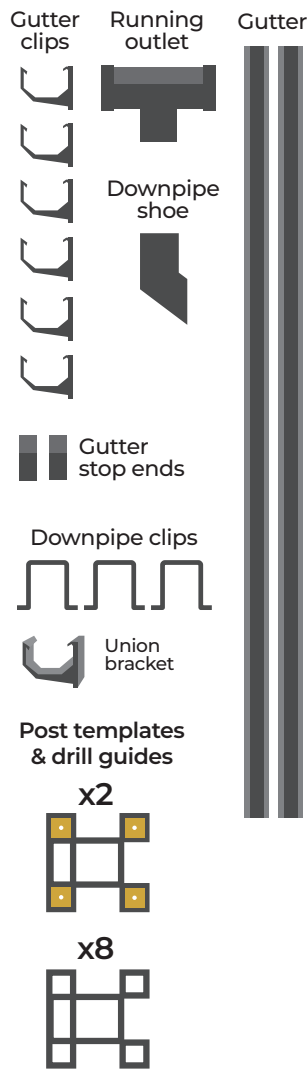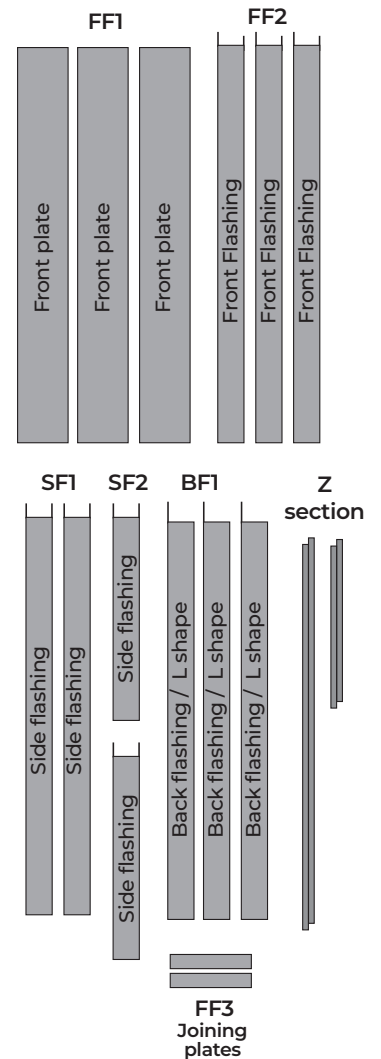Membrane
19 meters

Timber inserts

Fixings

S1 x40
S2 x45
S3 x22
S4 x50
S5 x100
S6 x50

S7 x60

Washers x40

Screw caps x60

Hole caps x22

Roof screw caps x 100

Steel pegs x1

x2 EXPAND. FOAM
x2 CLEAR SILICONE
x2 ANTHR. SILICONE
x2 WHITE SILICONE
x8 GREY SILICONE

Packers x30

Composite board
To be fixed under the door / window cill

Guttering

Gutter clips

Running outlet

Gutter

Downpipe shoe

Downpipe

Gutter stop ends

Downpipe clips

Union bracket

Post templates & drill guides
x2
x8

Trims BT1

To be fixed to the wall before gutter installation

Steel roof flashing

FF1
Front plate
Front plate
Front plate

FF2
Front Flashing
Front Flashing
Front Flashing

SF1
Side flashing
Side flashing

SF2
Side flashing
Side flashing

BF1
Back flashing / L shape
Back flashing / L shape
Back flashing / L shape

Z section

FF3 Joining plates

Finishing trims

Quadrants and Window trims
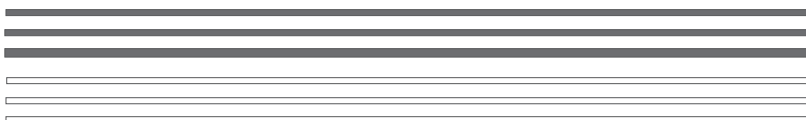
EXTRA ITEMS

3 x Electric cables 2.5mm and 1mm
3 x Double sockets (with back boxes)
1 x Light switch (with back box)
3 x External lights
2 x Internal lights
3 x Trunking
1 x White paint (for the ceiling)

FLOOR PLAN

Install the floor before installing the French doors and the window. Begin by laying down the membrane, and then proceed to install the panels.

| 1 | 2 | 3 | 5 | 4 |
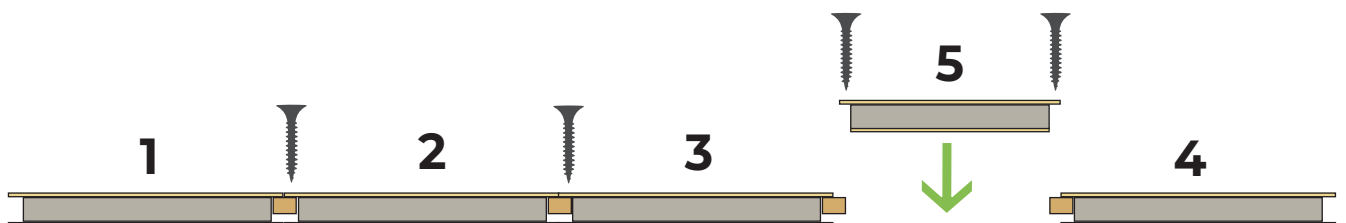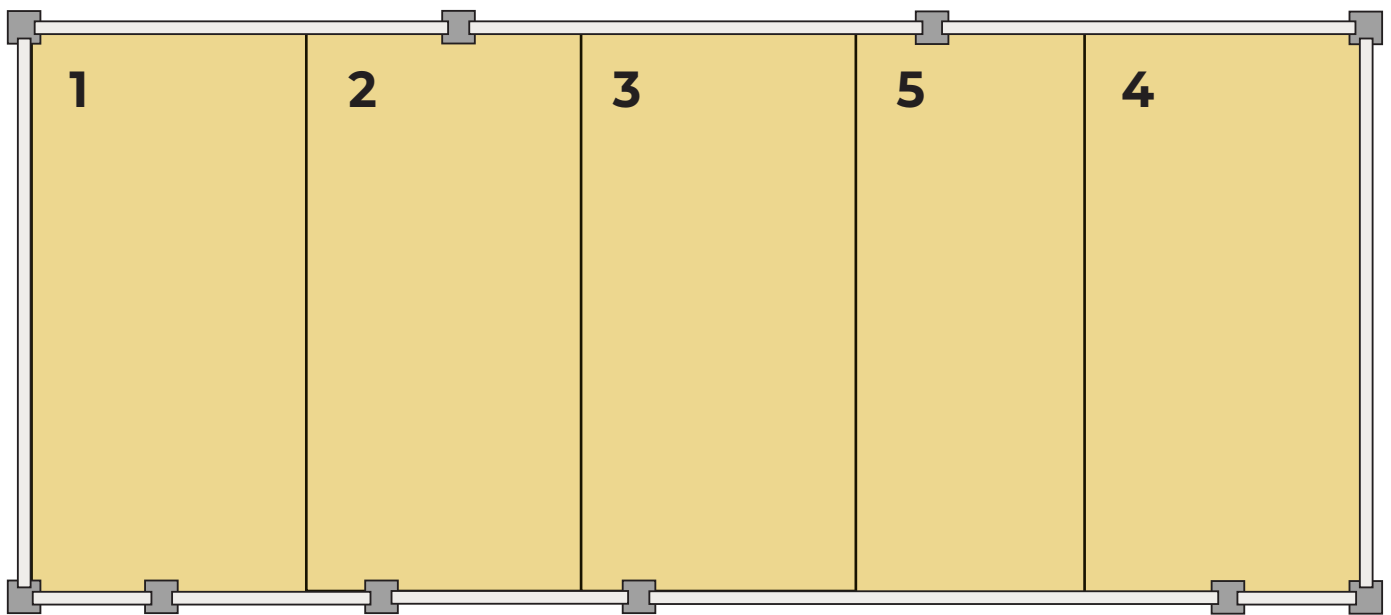
All floor panels are precut and marked. You may need however to adjust them where required (for allowing the cables, easier access, etc.).
Use provided foam to fill the gaps between the floor panels and walls.
Use S5 screws to secure the floor panels screwing into the splines.

Before you start...

Please read in full the following instructions before you start assembly.

Foundation

A good foundation is paramount for the safety and durability of our garden rooms. It is recommended to have **a concrete base** for our composite garden rooms. You can do it on your own or by consulting with a local tradesman. If you decide to have a wooden foundation, please make sure that an experienced tradesman conducts the work.

A perfectly flat base is paramount to a successful installation.

You will need the following tools:

> **The assembly of our garden room is a two-person job.** ⚠

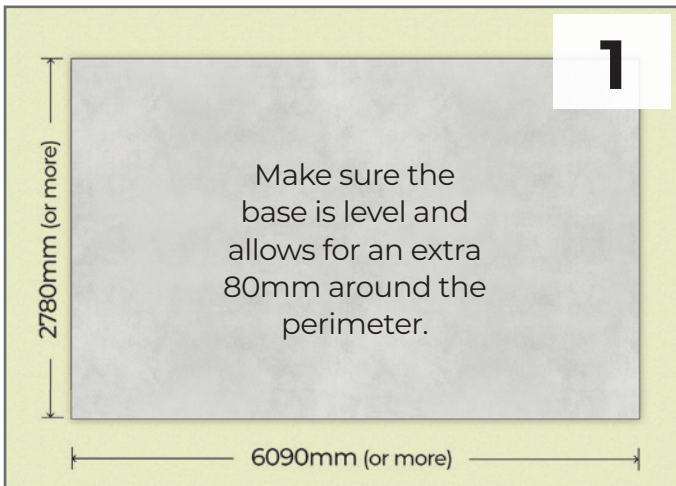|					
Cordless screwdriver	**Drill**	**Hacksaw**	**Rubber mallet**	**Hammer**	**Level**
Knife	**Pliers**	**Silicone Gun**	**Drill & driver bit set**	**Tape measure**	**Ladder**

⚠ We strongly recommend that **Personal Protective Equipment** is used throughout the installation process to ensure you are protected from any potential health and safety risks. It is the installer's responsibility to make sure the correct safety equipment is used during the installation of a garden room.
We recommend that only certified electricians carry out all electric works.

1

Make sure the base is level and allows for an extra 80mm around the perimeter.

2780mm (or more)

6090mm (or more)

For a garden room with dimensions of 6m x 2.6m, the base should be a minimum of 6090 x 2780mm. The precise measurements of the building are 5.93m x 2.62m.
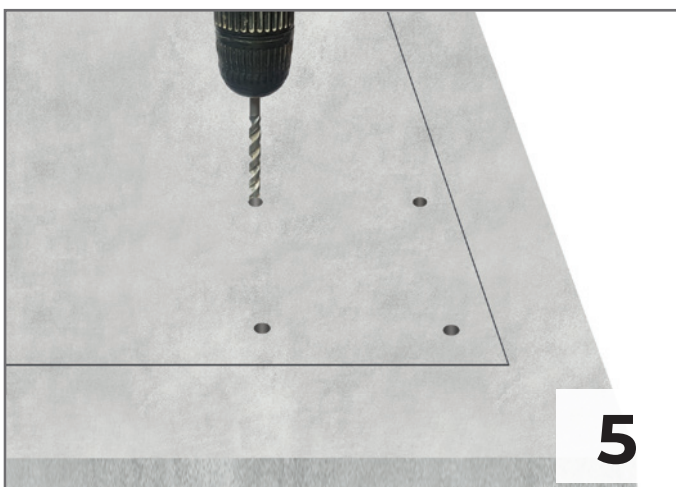

2

Min. 80mm

Min. 80mm

Install the garden room 80mm from the edge
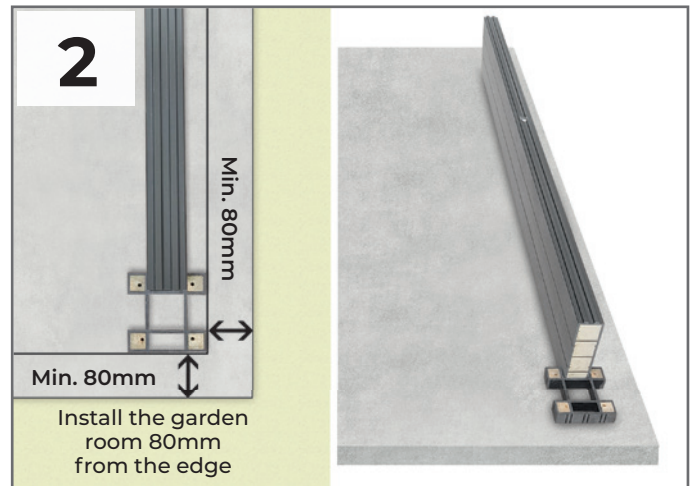
Use the provided templates along with wall panels, determine the garden room footprint. Minimum 80mm from the edge of the base. Start from the front (right or left side).
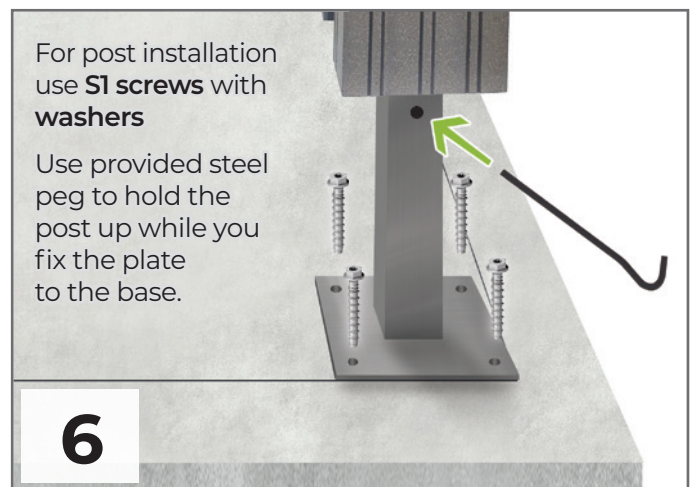

3

90 degree

90 degree
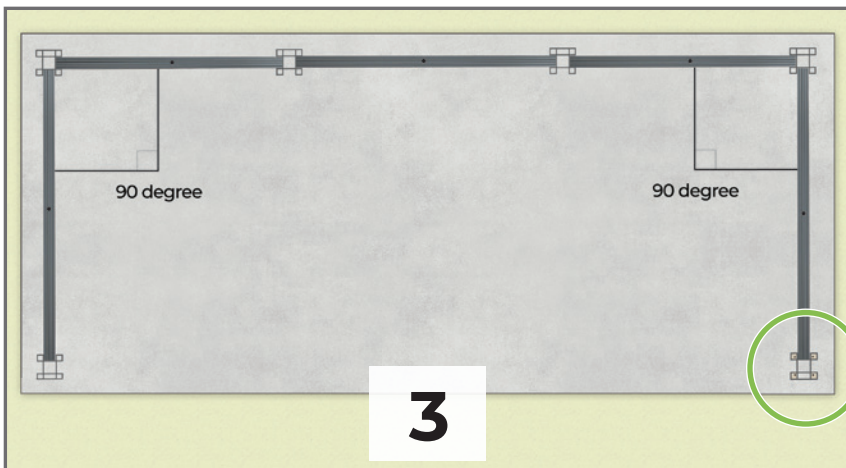
After determining the footprint, make sure that you are happy with the position of everything on the concrete base.


4
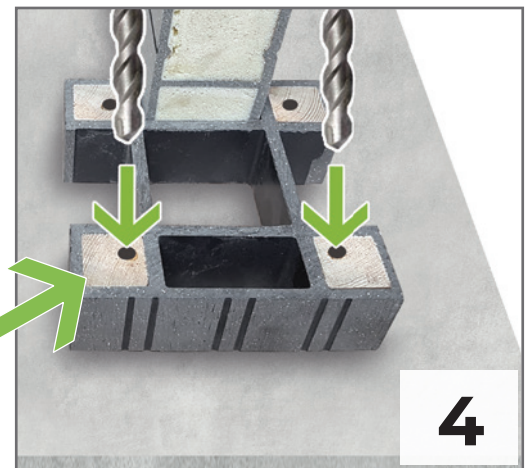
Starting from the front, mark holes using a drill, for each post. Make sure that everything is level and that there is atleast 80mm from the base edge.


5

Drill the holes for the screws using a 6mm or 6.5mm drill bit.

6

For post installation use **S1 screws** with **washers**

Use provided steel peg to hold the post up while you fix the plate to the base.

Install the first post **FPC**. Make sure it is level and is facing the correct way to allow for panel installation. The plastic packers can be used to level it.
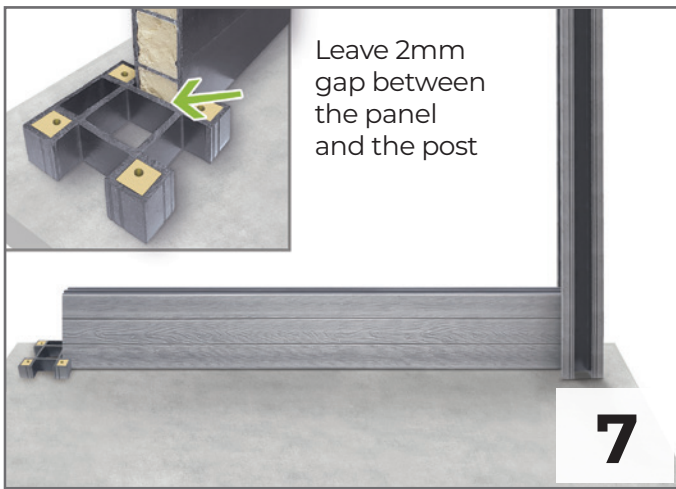
7 Insert a 2400mm side panel **W240B** into the installed post and with the use of the **post template**, mark for the second corner post.
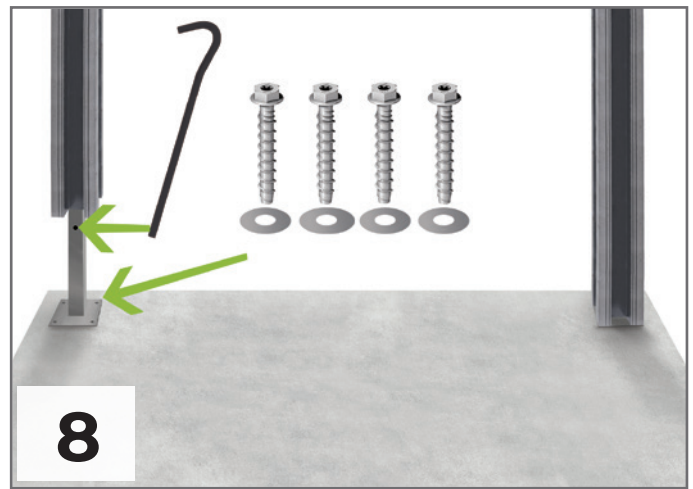
8 Move the wall panel to the side, lift the post sleeve and use the peg to secure it. Drill the holes like before then install the corner post **BPC**.

Make sure that you have planned the lighting and electrical outlet locations so you can insert the cables through the wall panels where required (for a power socket and light switch). Otherwise you would need to install the cables afterwards using trunking. When installing the garden room make sure that the bottom two panels on each wall have the integrated holes for electric cables.
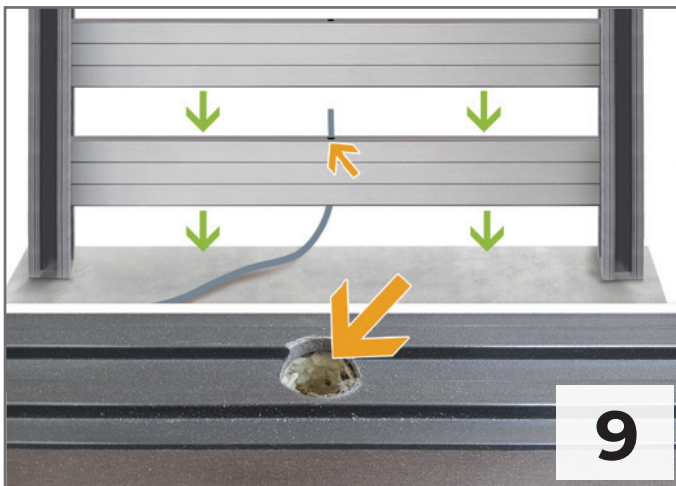
9 Once the second post is installed and level, slide in two panels **W2400B** (with holes). If required, feed electric cables through the designated holes.

10 Make sure that you are installing the wall panels with the woodgrain facing the outside. It is recommended to use a rubber mallet and a piece of timber to knock the panels into place when needed.

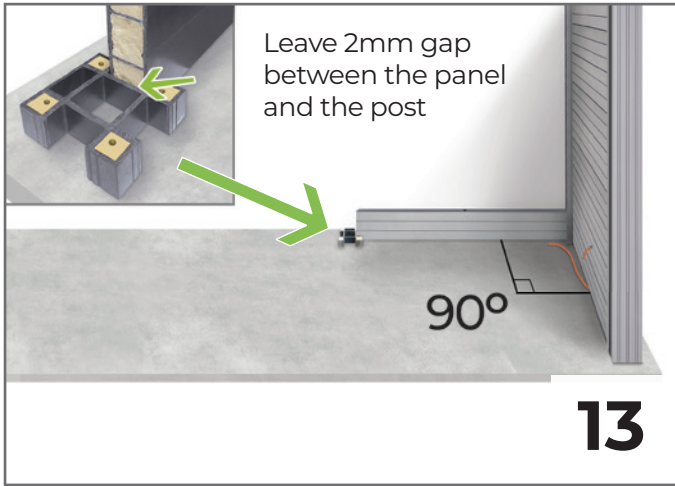Top side | Outter side | Inner side

11 Using a 20-40mm hole cutter, cut a hole in the wall panel, allowing you to feed any desired cables for a power socket. Make sure to line up with the hole running through the middle of the panel.


Viewed from inside

12 Slide in the remaining side panels **W240 (**2400mm), including the last panel **W240R** (or **W240L** , depending on which side you are installing first). The last panel **W240R** consists of two panels joined together.

Leave 2mm gap between the panel and the post

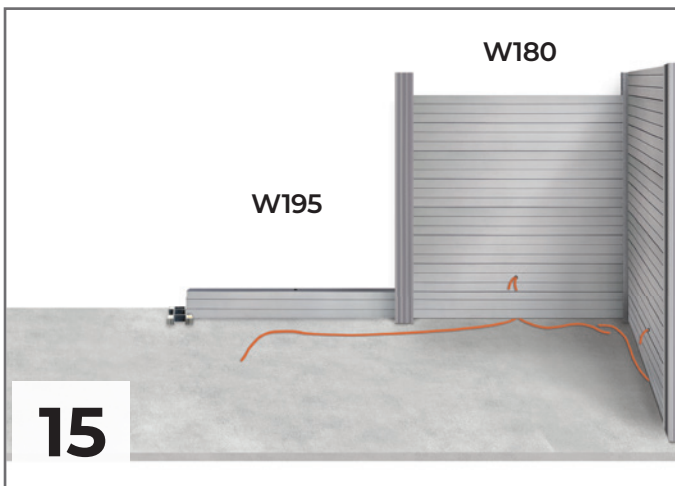**Leave 2mm gap between the panel and the post**

13

90°

Insert the back wall panel **W180** (1800mm) and using the template, mark for the next post installation. **Make sure it is square.** Mark with a drill, like before and drill the holes.


14
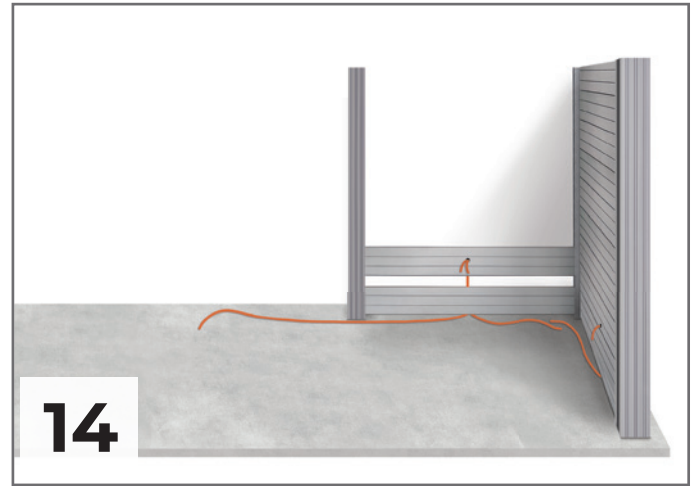
Install the post **BPM** using the same method as before. Slot in the first two panels and feed the cables if necessary.

W180

W195

15

Continue with the back wall panels **W180** (1800mm). Then measure for the next post **BPM** installation using **W195** wall panel (1950mm).

W180

W195

16
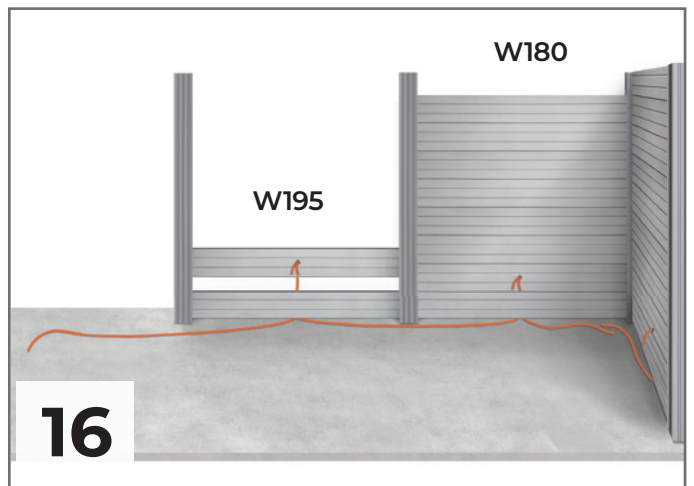
Continue with the back wall panels **W195**. Remember to feed the cables where required.


W180T   **W195T**   **W180T**

17
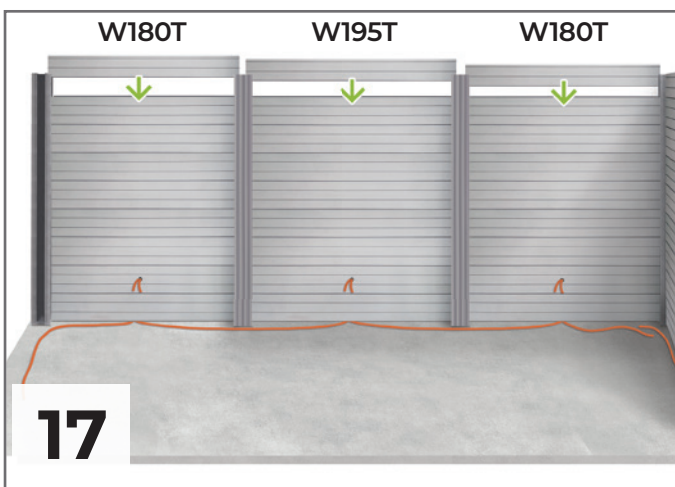
Install the corner post **BPC** at the back and slot in the remaining **W180** wall panels.
Next, slot in three top panels with an empty section.

18

90°

Must be equal to the rear spacing
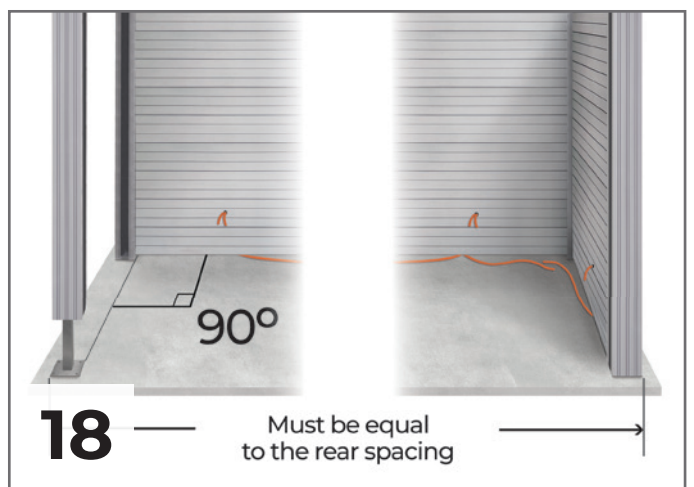
Using the post template and a side panel (2400mm) mark for the second front corner post **FPC**. Now install the post making sure that you have the same distance between the two back and two front corner posts.

19

Viewed from outside
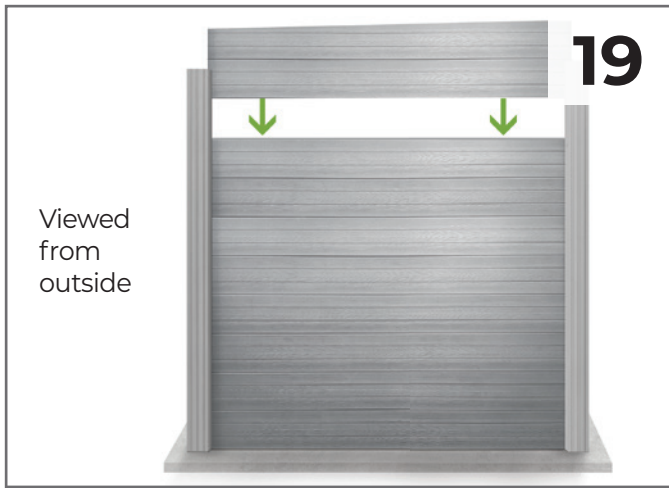
Slide in the side panels **W240B** (with holes for the cables), then **W240** including the last double panel **W240L**. Remember to feed the electrical cables through the holes in the panels if required.

20

Now using the same method, mark for the next two posts **FPD** installation. Make sure they are lined up. You may decide to use a laser leveller or a line for this.

21
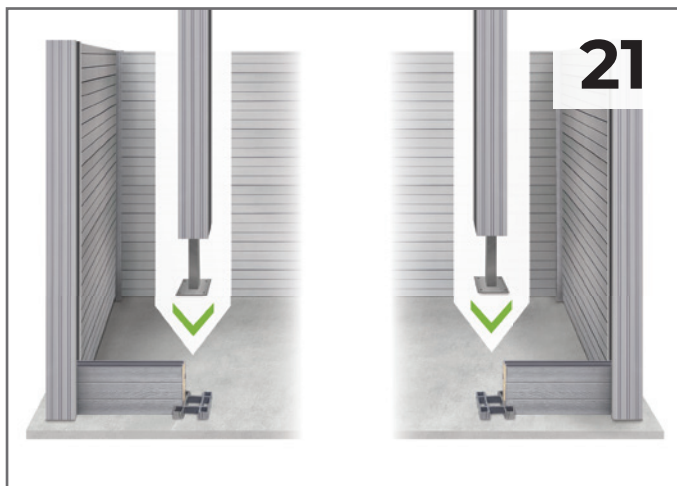
Now install two posts **FPD**.

22

To ceiling light

To outer light on other side
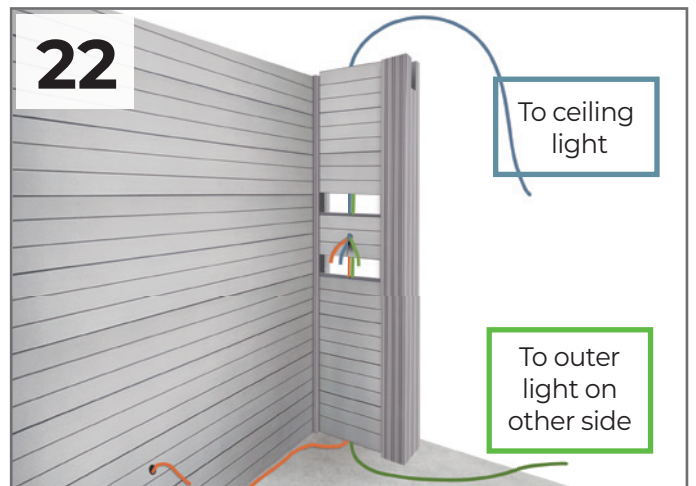
Slide in all short **W52** panels (apart from the top panel). If you are installing a light switch on the front wall, make sure to feed all cables (from the main board, to the light inside and lights outside, etc.).

23

If you are installing outside lights, drill the holes in the panels and feed the cables before installing the top panel.

24
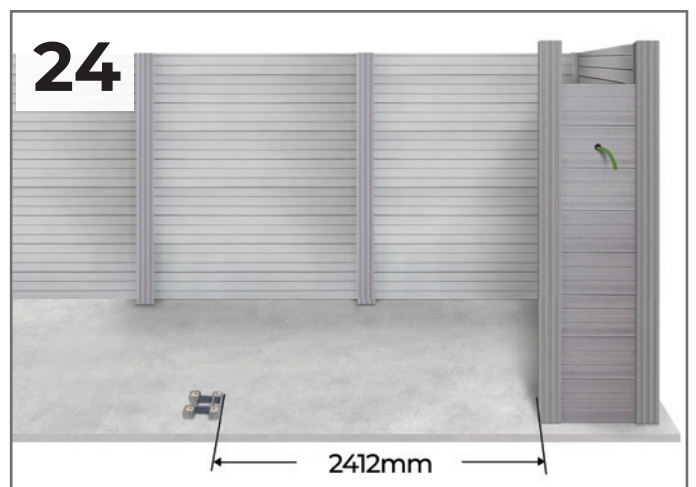
2412mm

Measure 2412mm from the post and mark for the middle post **FPD** installation.

25 Install the post **FPD** and slide in W247T panel (2475mm long).

26 Measure and mark for the next post **FPD** installation.

27 Install the **FPD** post and slide in the wall panels **W100** (100mm long). Remember to feed in the cables if you are installing an external light or a light switch/socket inside the garden room.
Make sure you have over 800mm gap for the window installation.
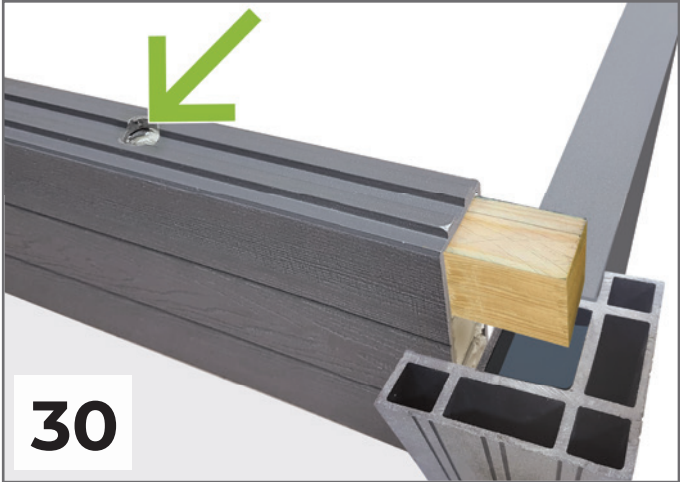
28 Insert the top panels (with an empty top section) and keep them slightly elevated. Lift the long panel to have it at the same level as the other panels.

29

Slot in a long piece of timber into the empty section. You may cut it into two pieces if it makes this process easier. The timber must stick out on both sides equally to fit inside the post.

30

On the side of the light switch, drill a 15-25mm hole through the wood allowing for the ceiling light cable to be fed through.
Then, push all five panels down.

31

Repeat the same for the top wall panels at the back: lift them up slightly, insert a long piece of timber from the side, and push all three panels down.

32

Make sure all panels have a tight joint and that all posts are level. Use a mallet with a piece of timber to gently move the panels and level the posts.

33

CORNER POST   MIDDLE POST
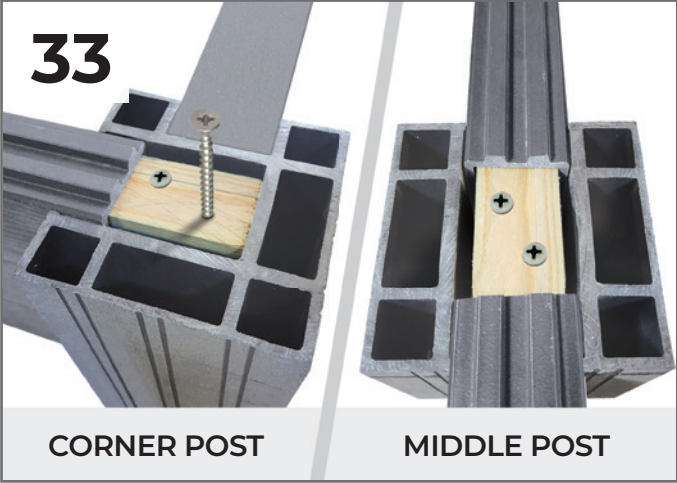
Using the provided screws **S3** fix the timber to the steel posts in each of the post. Predrill the timber (and the metal post if required) before doing this.

34 10mm drill bit

Using a 10mm drill bit, drill holes from the inside of the garden room into each corner post approx. 10-15cm from the top on both sides of the edge (as seen in the picture). Make sure you drill only a depth of 5mm through the outer post layer.

35 S4 screws

Next insert the screws **S4** into each hole and screw (using the longer driver bits) to secure the top wall panels. Cover the holes with the provided **plastic caps.**

ROOF INSTALLATION

It is recommended to use a piece of cardboard or any soft flat sheet material when placing the roof panels, to protect the surface against scratches. <u>Start the roof installation from right to left.</u>

36 RIGHT SIDE

TOP VIEW

90

50

260 220
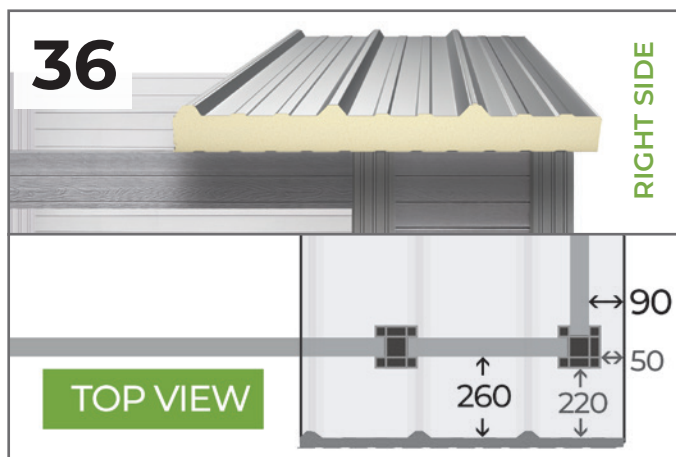
Position the first roof panel **R1**. Above measurements are approximate and not critical at this point, as you will be able to adjust later. Do not fix it yet.

37 S7 screws

Remove protective film from the roof panels before screwing.

Place the second roof panel **R2** and level it with the first panel. Next fix it to the first panel using short roof screws **S7** in the middle of the roof. Around 1m apart (2 or 3 screws per panel).

38 S7 screws

R2 R2 R2 R2 R1
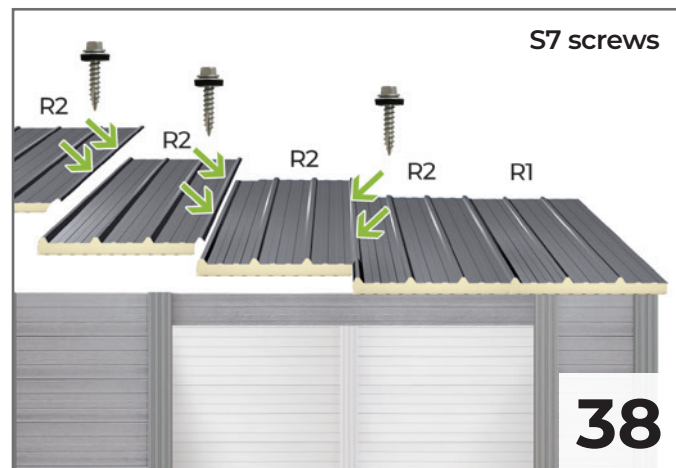
Place the remaining three **R2** panels, fixing them to the previous panels using the same method.

39

R3

Place the last roof last panel **R3.** Fix it to the previous panel using **S7** screws.

40 TOP VIEW

100   60

260   220
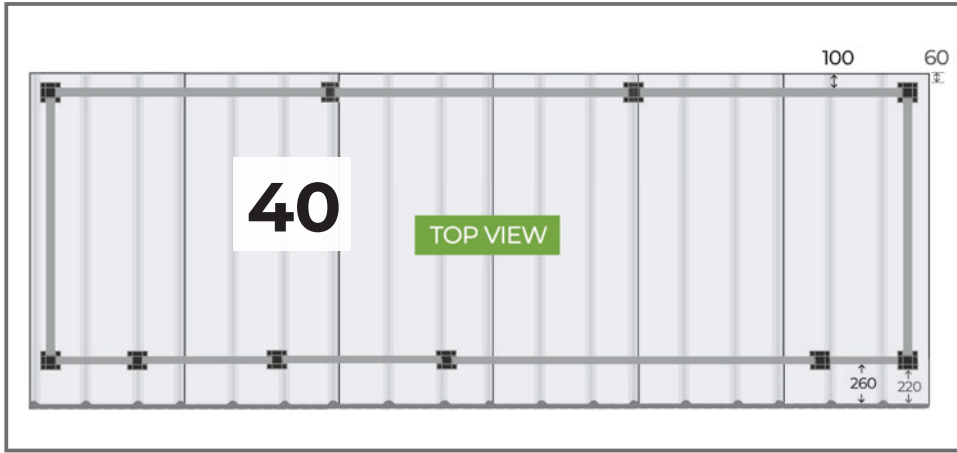
Position the roof in the center (with the same overhang on the right and left sides). The front overhang must be approximately 260mm, measured from the wall. All measurements are approximate, and slight differences will not affect the result.

S6 screws

41
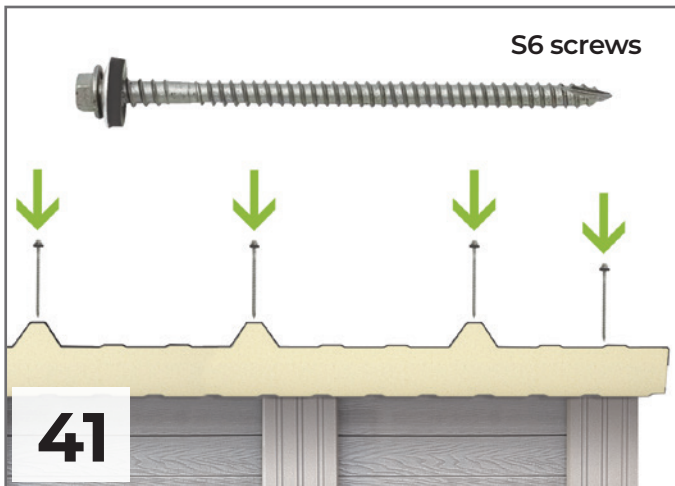
Secure the roof panels by screwing into the wall panels on every ridge at the front and back. Then secure both sides by screwing approx. 400-500mm apart. Make sure you screw straight into the middle of the wall panel as you are aiming for the timber.

The dots on the picture represent screw location.

VIEW FROM THE TOP

S7 screws

42
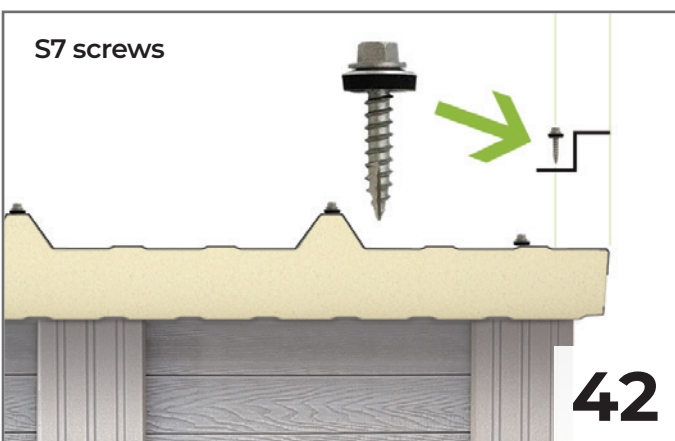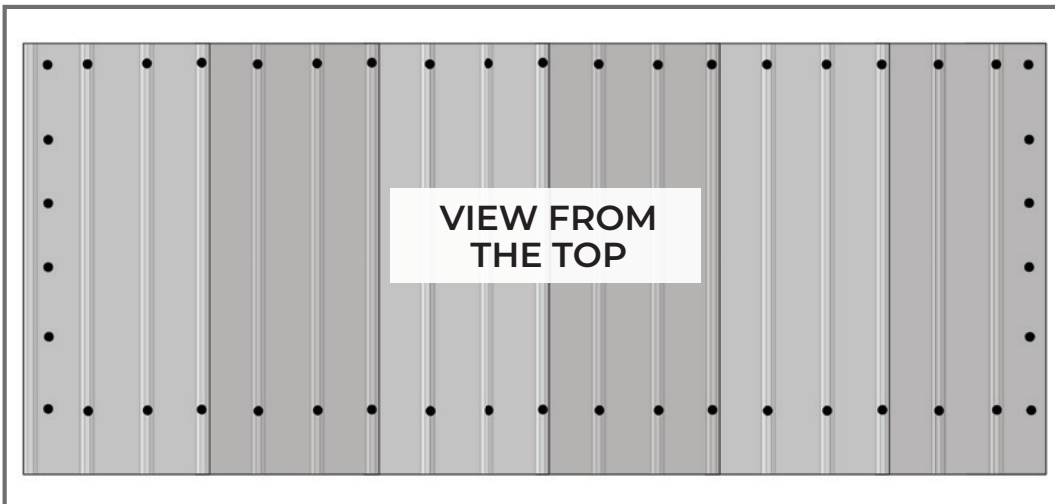
Next, fix the **Z section** profile to the roof along the right edge (it may come in one long piece or two shorter pieces).
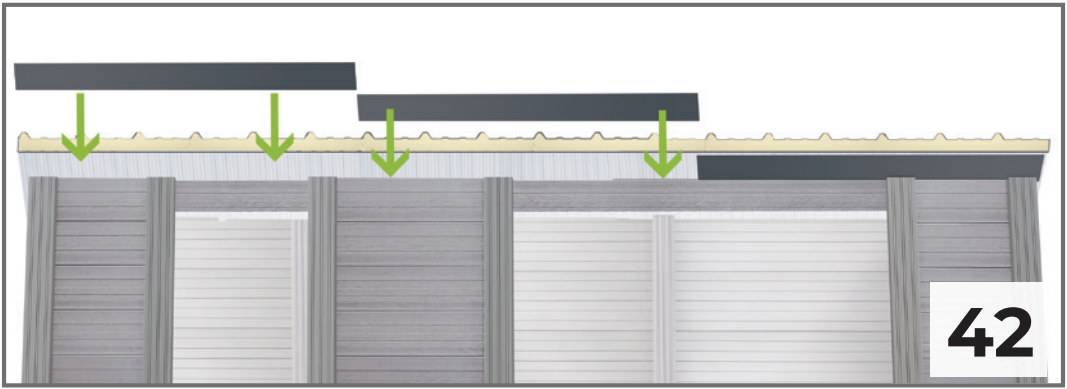
Now install the flashing. First insert three flat **FF1** pieces into the gap between the top wall panel and the roof panels (10-20mm deep). Join them together and do not overlap.

42

LEFT SIDE

Long piece SF1

Short piece SF2

RIGHT SIDE

Long piece SF1

Short piece SF2

43
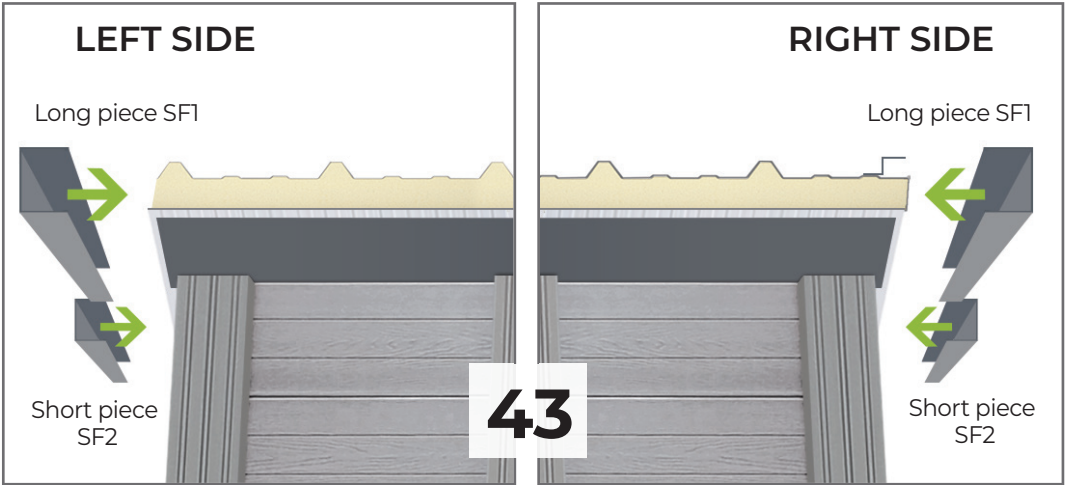
Next, install the side flashing pieces – left and right (**SF1**, **SF2**). Now join the flashing together (do not overlap them). A overhang of approx. 80mm (from the post) is required. Do not screw them yet.
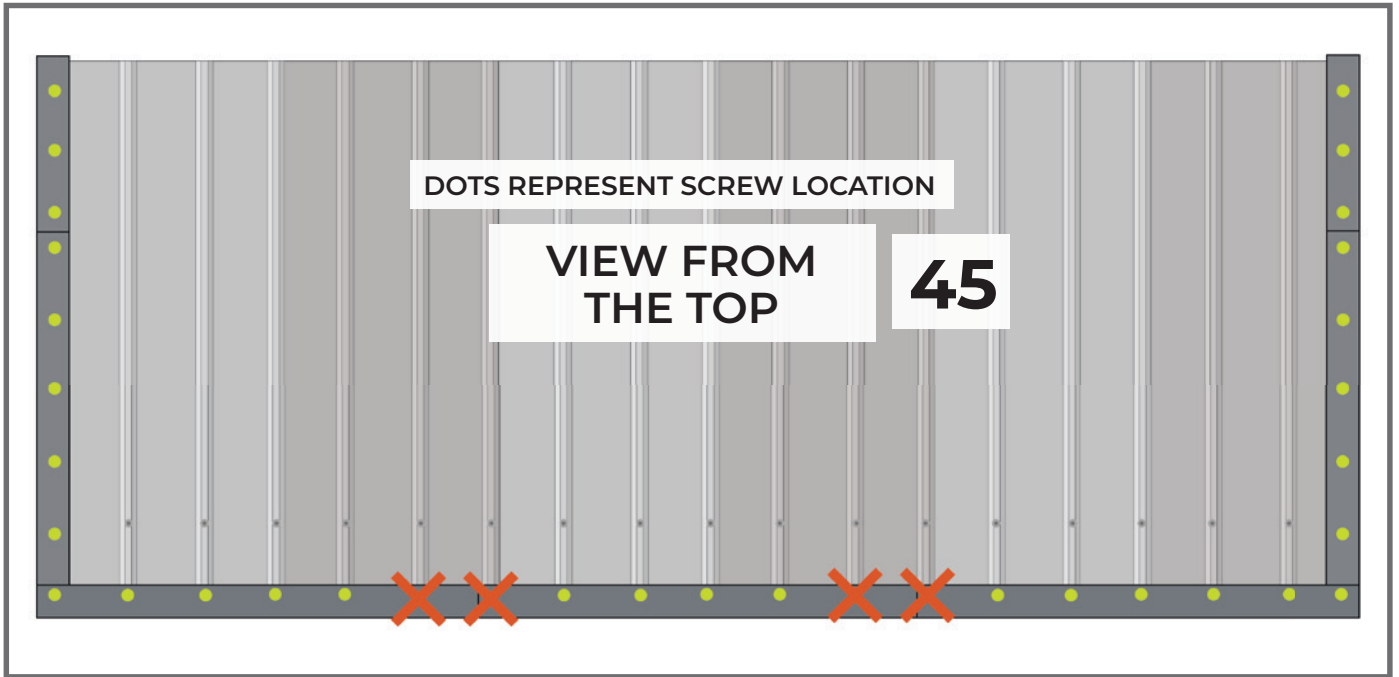
← LONGER SIDE AT THE TOP

44

Install three front **FF2** flashing pieces. The longer side should be at the top. Do not overlap them.
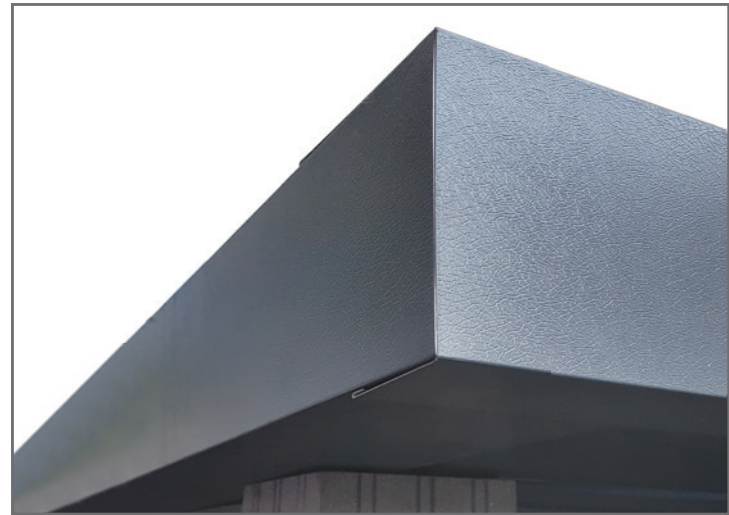
Next, level and tightly adjust front and side flashing pieces.

DOTS REPRESENT SCREW LOCATION

VIEW FROM THE TOP

45

Once flashing is level and all joints are tight on the corners and in the middle, secure them with the screws. Start from the top using the provided short **S7** (with rubber washers) roof screws. On the front and left side screw into the ridges. On the right side - into the **Z section**. Do not screw into the four front middle ridges (where the front flashing joint is) yet.

S7 screws

46
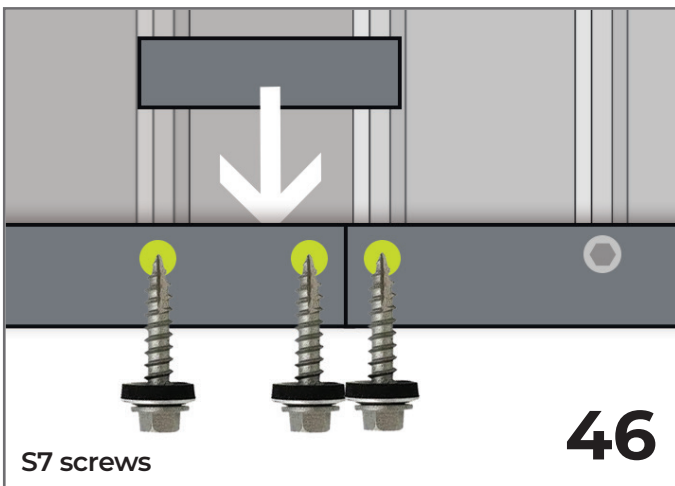
Slide in the **joining FF3 plate** underneath the front flashing, between the two ridges where the joint is. Then secure the flashing by screwing it into the ridges. Repeat for other joint.

47
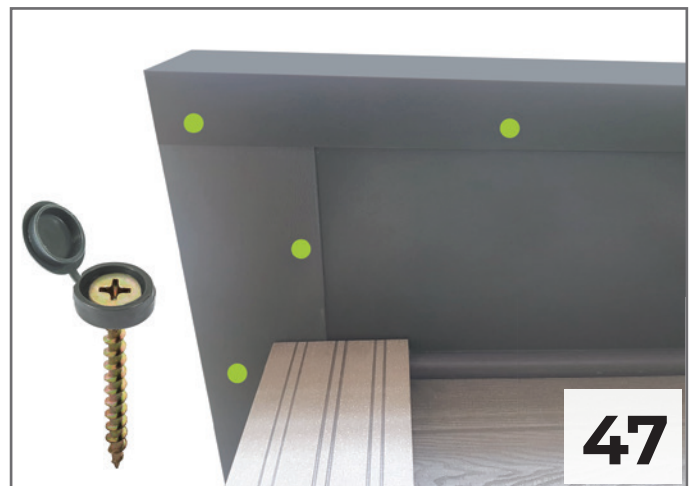
Secure the front and side flashing from the bottom using the provided **S5** screws and plastic **screw caps.** Screw next to joints and every 40-50cm along the edges.

48
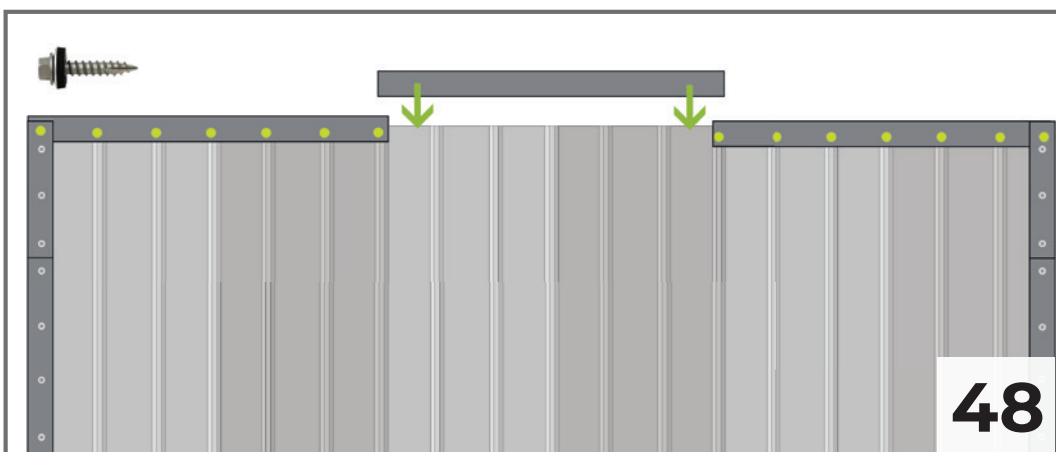
Install the back L shape **BF1** flashing approx. 30mm from the edge of the roof panel. These are the only flashing elements which overlap when joining together. Slot in under the side flashing.
Fix them with the screws **S7** on each or every second ridge.

Cut the corner trims **(quadrants)** to size and fix (using the provided anthracite **silicone**) between the posts on the front side of the garden room to cover the gaps between the roof and wall panels.

49

50

Using the provided (anthracite) **silicone**, seal the flashing joint where required and the gaps between the posts, wall and the roof panels.

51

EXPANDING FOAM

Using the provided expanding foam, seal the gap between the wall panels and the base. After the foam dries, cut off any excess.

52

Next, using anthracite **silicone**, seal all the sides from outside and inside to waterpoof the joint between the concrete base and the wall panels.
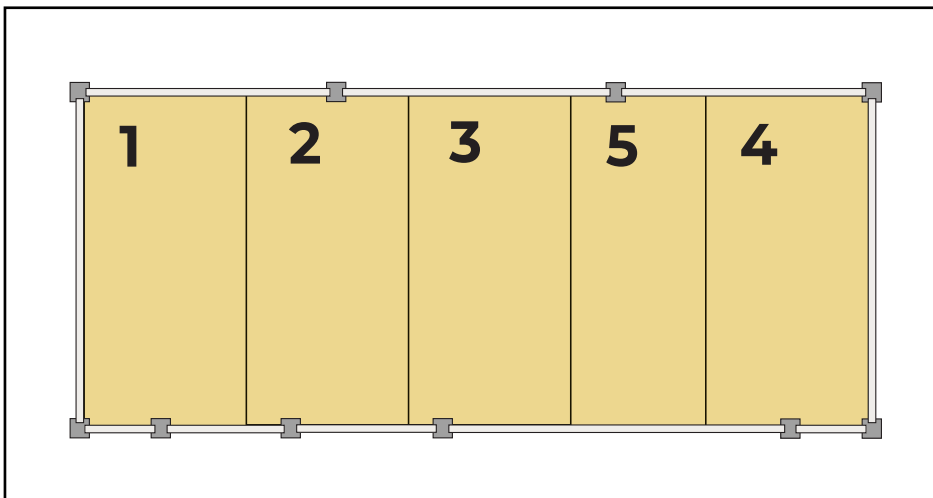The interior must be siliconed before floor and door/window installation.

54

Cut 25mm trims to the required lenght and using the silicone fix them to the bottom around the perimeter.

FLOOR INSTALLATION
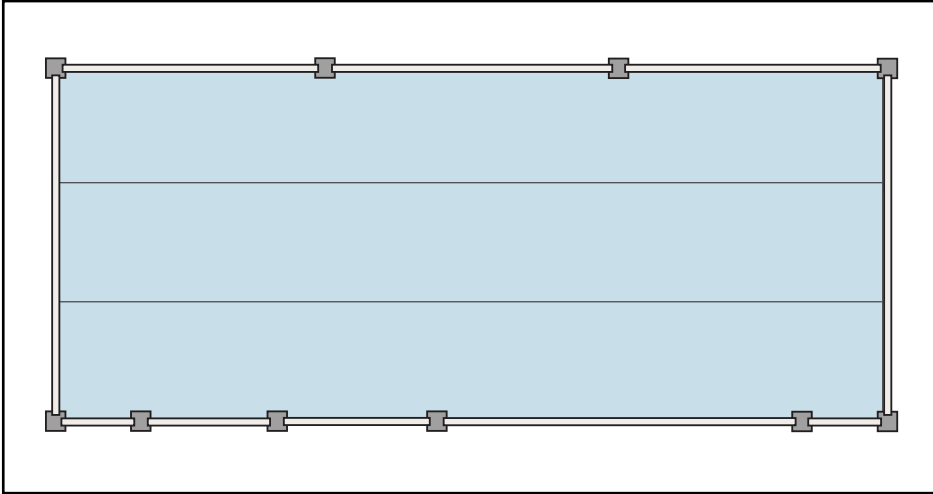
55

Lay the membrane on the concrete base. You will need three pieces, each approximately 6 to 6.2 meters long.

56

Install the floor panels in the shown order. All floor panels are precut and marked. However, you may need to adjust them as required (for accommodating cables, providing easier access, etc.). Use S5 screws to secure the floor panels by screwing into the splines.

# FRENCH DOOR AND WINDOW INSTALLATION

57
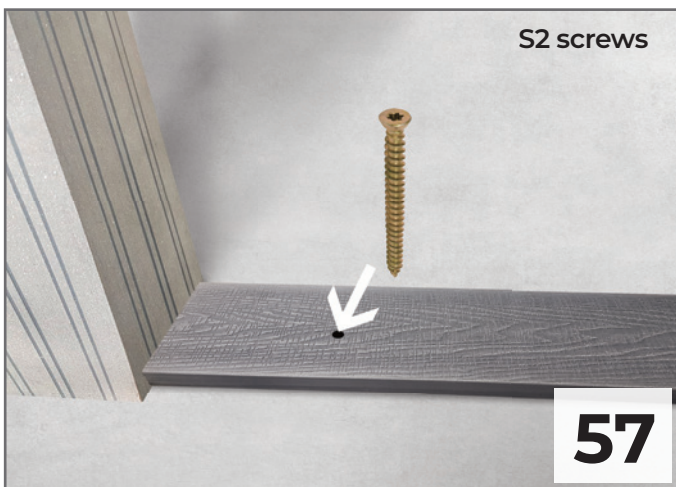
Install the composite board between the two posts where the cill and the doors will be installed. Use silicone and the concrete screws **S2** to fix it. Repeat the same for the window cill.

58
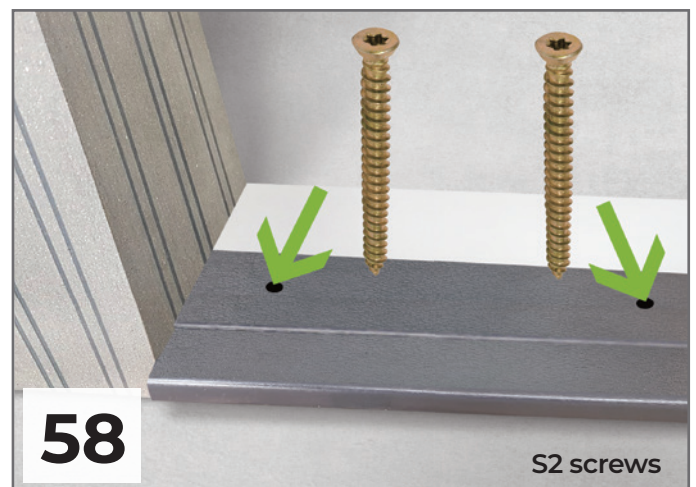
Now fit the cills for the door and window. Apply the provided **silicone** on the composite board before placing the cill and level it with the **packers** if required. Position the cill the way that will allow the door and window to be flush with the front wall panel (see step 58). Fix it to the base using the provided screws **S2**.

59
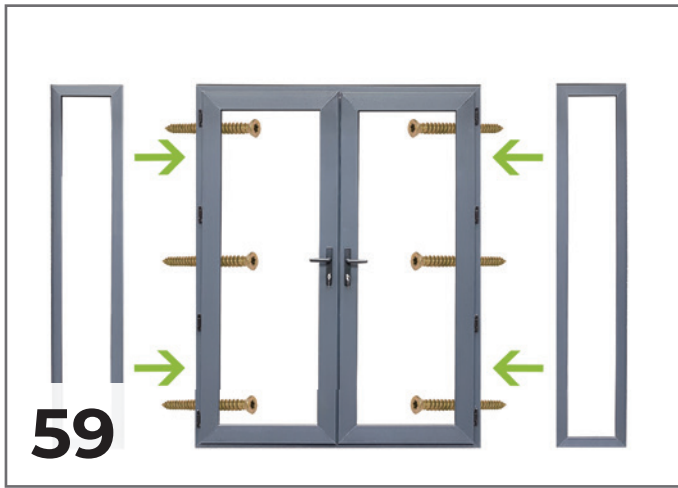
Remove the glass from the French door and the side panels using the provided multi-tool knife. Join the door with the side panels, drill holes for screws, and secure them. You don't need to use joining trims, as the joints will be covered with silicone and 25mm window trims.

60

Now insert the door frame and use the **packers** to level its position. Level the door frame with the above wall panel **W247T** on the outside.
Make sure the doors are opening properly.

61

Pre-drill the holes (4mm) in the frame on all sides, then fix the doors using the provided **S2** screws.

62

Repeat the same for the window: pre-drill the holes and secure the window with **S2** screws.

63

Fill in the gaps around the frame using expanding foam. When dries, remove the excess.

64

Insert the glass and install the beads.

65

Cut to size and fix (using the provided **silicone**) 45mm **window trims** (anthracite) to cover the gaps above the door and on the sides. Make sure the profiles are cut to 45 degree angles to allow for a perfect join. Repeat the same for the window.

66

Fill in the joint between the French door and side sections with silicone, and cover it with 25mm anthracite trims. Repeat the same on the other side of the door using white trims.

67

Cut off the excess expanding foam. Cut to size 45mm white window trims and using white silicone cover, fix to the door frame and walls.

68

Using white silicone, fill in the gaps between the roof panels and wall panels. Next, cut to size 25mm trims (or quodrants) and cover the gaps around the perimeter.

Note: if you are installing internal decorative wall panels, the trims are installed afterwards.

GUTTER INSTALLATION

The gutter installation method is the same for all sizes of garden rooms.

69

Pre-drill 4-5 holes (using a 3mm drill bit) in the **BT1** trims and fix them to the back wall between the posts. (approx. 60mm below the top edge of the wall panels).

70

Attach **gutter clips** placing them evenly. Make sure they are level. You may also create a slight slope in the direction of running water.

71
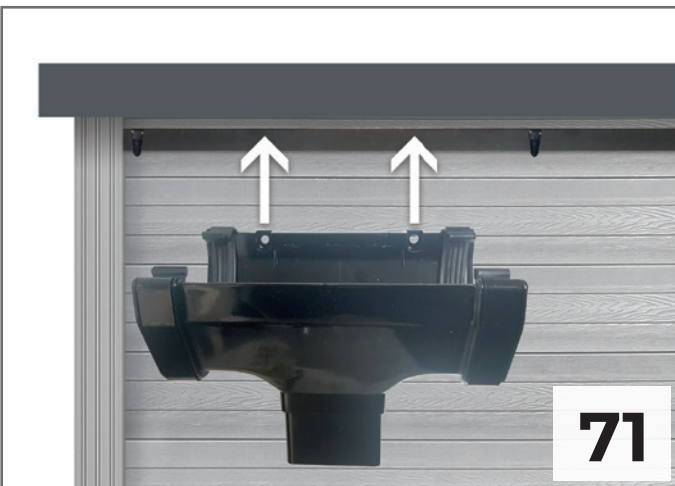
Fix the **running outlet** (level it with the **clips**) where you want the **downpipe** to be installed.

72
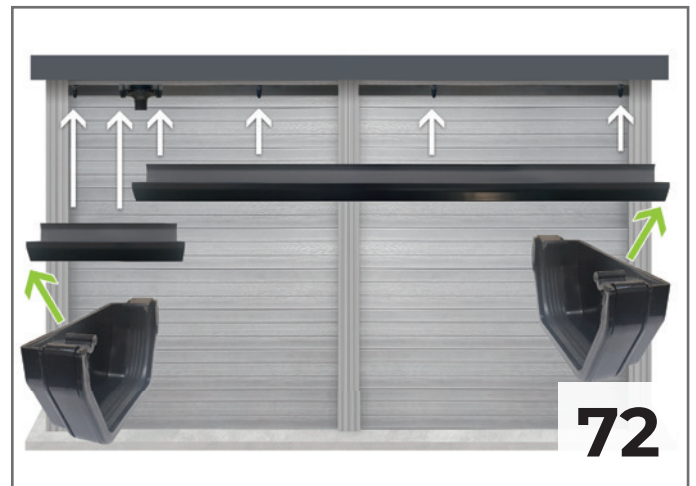
Measure and cut the **gutter** to size using a hacksaw (allow for 5mm from the side flashing). Attach the **stopends** on both sides and then install the gutter.

73

Connect the **downpipe** to the **running outlet**. Fix it to the wall using the **pipe clips**. Then, attach the downpipe **shoe**.