



## Installation Instructions

Chalet units

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### Queries, orders, customer support

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### Attention

Carefully read through the IMPORTANT NOTES and the following installation instructions before installing your GARDENSTAR product. These must always be issued to the owner/user

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## IMPORTANT NOTES

- Do not attempt to install shed in windy weather.
- To prevent serious injury, gloves must always be worn when handling steel sheet.
- The site for the shed or aviary must be level, otherwise the panels will not fit together properly. We strongly recommend that sheds be installed onto a concrete base.
- To successfully weather-proof your GARDENSTAR unit, we recommend you rebate the concrete base, see page 4.
- Sheds installed without adequate anchoring to a concrete or timber base could be extensively damaged in windy weather. GARDENSTAR Anchor Kits are available through your retailer.
- When installed, ribs in sheeting face outwards for all panels.
- Remove all metal swarf **immediately** after installation, or rust staining may occur.
- Please note that damage caused to the steel by chemicals, such as pesticides and herbicides, is not covered by the guarantee. To view the GARDENSTAR guarantee visit [www.gardenstar.com.au](http://www.gardenstar.com.au)

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# 1. Slab Dimensions

SHED SIZE (m) Length x Width	SLAB SIZE (mm)		No. of Anchors
	Length (Side wall)	Width (Gable end)	
2.10 x 2.25	2170	2320	8
2.85 x 2.25	2920	2320	10
2.85 x 3.00	2920	3070	10
3.60 x 3.00	3660	3070	12

**For details on rebating concrete slabs for improved weather-proofing, see Step 9**

# 2. Tools required

- Electric drill with Hex Head Driver
- Step Ladder
- Pliers
- Measuring Tape

# 3. Identification of Parts

## Screw Pack

Packet of tek screws (10x16mm) are supplied with the Chalet. Matching colour and Galv.

## Front panel

Gable End panel with the door installed.

## Back panel

Plain Gable End panel.

## Side Wall panels

Two rectangular panels with angle return fitted to each end.

## Roof panels

Two rectangular panels with flashings at each end. Galvanized channel on edge to go to top of roof. 150mm longer than side walls.

## Ridge Beams

One Ridge beam, the same length as the Roof panels

## Finials

Two Finials with mounting brackets

## Locking 'T-handle'

Satchel including a handle, a back plate, 3 rivets and 2 keys

## Optional Extras - Items supplied separately, if ordered

*Louvre Window* - One wall panel will have cut-out to receive the Cream window frame supplied. Pack of 5 sheets of glass

*Shelf Kit* - 2 Galv tube brackets, 3 Galv sheet shelves

*Anchor Kit* - Includes a bracket, a bolt and washer, and a coach screw (for timber) or dynabolt (for concrete), for each anchor point.

# 4. Erecting the Wall panels

Place a Side Wall panel in position and nest the Back panel into the angle return. Drill through the corner angles into the rib of adjoining panel and fasten with matching colour teks. Use five teks, evenly spaced.

Repeat this procedure with the Front panel.

Bring the other Side Wall panel into position. Fit and fix to the Gable End panels as before.

Square the shed walls, by checking that the diagonals are equal.

# 5. Fixing the Roof

Lie one Roof panel upside down and slide the Ridge beam (also upside down) onto the edge with the Galvanized channel.

Make sure the Roof panel is pushed fully home into the slot in the Ridge beam. Drill and fix through the Ridge beam into the roof channel at 750mm intervals.

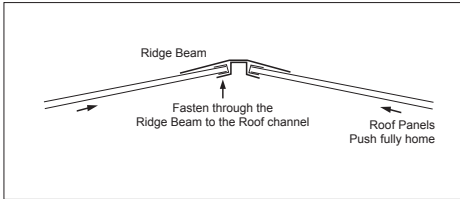
Lift the Roof panel into position on the erected walls, so the Ridge beam rests directly over the apex of the Gable ends.

Position the Roof panel so that the eaves overhang is even at the Front and the Back.

Drill through Roof sheet into channel on the slope of the both Gable ends, and fix with coloured teks.

Slide the second Roof panel up the slope of the gable and nest firmly into the Ridge beam, ensuring the Galvanized channel fits into the Ridge beam.

Working inside the Chalet, fix through the ridge beam into the channel as shown.



Drill through Roof sheet into channel on the slope of the both Gable ends, and fix with coloured teks.

Fix roof panels to Side Wall panels by fastening through roof sheet “pan” into top channel at 450mm intervals. Make sure Side Wall is held straight during this operation.

## 6. Fixing the Locking T-handle

Locate pre-drilled holes on door, 2 smaller holes either side of a larger hole.

Place the T-handle in the larger hole with the shaft projecting at the back. Rivet the T-handle in place.

Slide the back bar onto the shaft and fix by tightening the grub screw.

## 7. Fixing the Finials

Fix one finial at the apex at each Gable End, of the Chalet, using coloured tek screws.

## 8. Fixing Optional Extras

### Louvre Window

Place the Window frame in the cut-out with the larger skirt to the top, line up edge of the frame with all ribs and drill and fix on the sides and along the bottom. Insert glass from inside the shed.

### Fixing a Shelf Kit

Choose position for the shelf unit on a straight wall in order to hang level. Mark the location of each bracket, approx 130mm in from either end of the final position of the shelves.

Hang the Brackets over the top of the unit wall. From the inside of the unit, fix the tabs located at the lower end of the bracket, into wall.

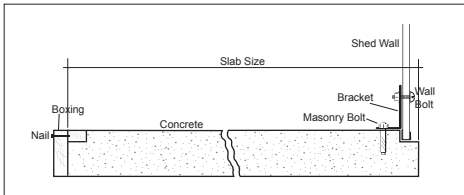
Place the shelves on the Bracket arms, with the U-shaped groove fitting over the bracket ends. To complete the unit, fix up through the underside of the shelf into the frame.

## 9. Unit base / Anchoring

It is essential to firmly anchor the Shed / Aviary as soon as erection is completed, otherwise there is risk of damage by wind.

### Rebated Concrete Base (Recommended)

A concrete slab with a stepped edge as illustrated below will prevent rain water from trickling under the wall of the shed.



The size of slab required for the unit you have selected is listed on page 2.

These dimensions are the inside measurements for your boxing. Ensure the boxing is level at the top edges, the diagonals are equal length, and it is securely staked.

To rebate the edge attach 50 x 25mm dressed pine to the inside top edge of your boxing as shown in the diagram above.

### HELPFUL HINT...

In practice, it is much easier to put the 50 x 25mm dressed pine timber in place after placing the concrete. This helps you to ensure that the section underneath it does not have bubbles or gaps.

You can do this by cutting the 4 pieces of 50 x 25mm timber to the correct length. Place and screed the concrete so that it is level.

Place the 50 x 25mm timber on its flat in position level with the top edge of the boxing by tapping it down into the wet concrete, and fix it in place with nails or tek screws.

After the concrete has been placed, screeded and finished it should be left for 2 days before the boxing is removed

Leave for one week before installing your GARDENSTAR unit, to allow it to gain enough strength to hold the masonry anchors.

NOTE: Spacing between anchors should not exceed 1500mm

### Basic Concrete Base

Sheds may be anchored to the ground using star pickets and a concrete slab poured inside.

If this method is used, it is advisable to line the lower section of the wall with building plastic film (such as Fortecon) to prevent the wet concrete coming in direct contact with the steel panel. This can be taped against the wall above the required floor level, and trimmed neatly when the concrete has cured.

### Existing Concrete Base

Sheds may be fixed to an existing concrete slab using a Gardenstar concrete fixing kit (Anchor brackets and bolts). The correct size masonry drill necessary for the masonry bolts supplied is 8mm diameter.

NOTE: Spacing between anchors should not exceed 1500mm

### Timber Base

Units may be fastened to a timber floor using anchor brackets and coach screws.

It is essential that the timber floor is secured to concrete or timber piers firmly embedded in the ground.