

How to Install the Slimline 50 with Fixed Arms

Suitable for builders, awning contractors and confident DIY installers

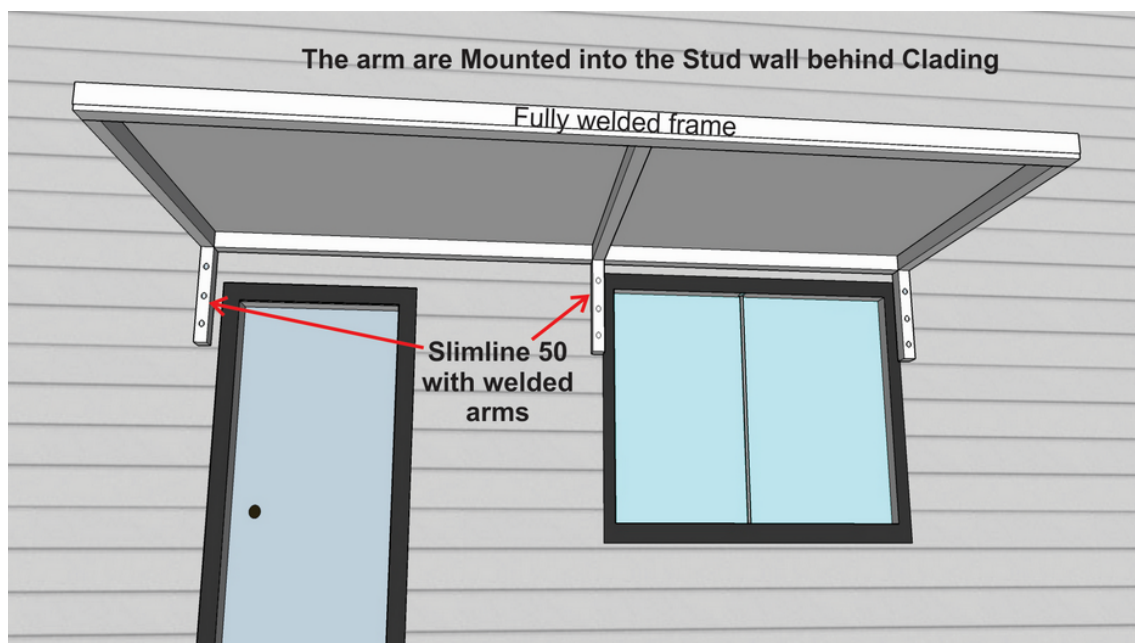
The Slimline 50 with Fixed Arms has arms welded directly onto the frame at either end — no separate brackets, no assembly. Pick up the whole awning and screw it straight to the wall through the arms into the studs. Silicone seal the back and you are done. The simplest awning to install we make.

You'll need: Spirit level • Tape measure • Stud finder • Drill & bits • Structural screws • Silicone gun

■ **WARNING** The arms must fix into timber studs behind the cladding — structural screws only. Never fix into cladding alone.

STEP 01

Understanding the Slimline 50 with Fixed Arms system



The Slimline 50 with Fixed Arms installed over a door and window — arms welded to the frame, fixed directly into the studwork behind the cladding

The Slimline 50 with Fixed Arms is a fully welded awning where the arms are part of the frame — not separate components. The arms run down the sides of the awning and fix directly into the timber stud wall behind your cladding.

Because the arms are welded on at fixed positions, you need to know exactly where your studs are before you order — the awning is custom made to suit your stud positions. This makes it ideal for:

- Installations over windows or doors where the arms naturally land on the king studs on each side of the opening.
- Situations where you know exactly where structural timbers are and can confirm their positions before manufacture.

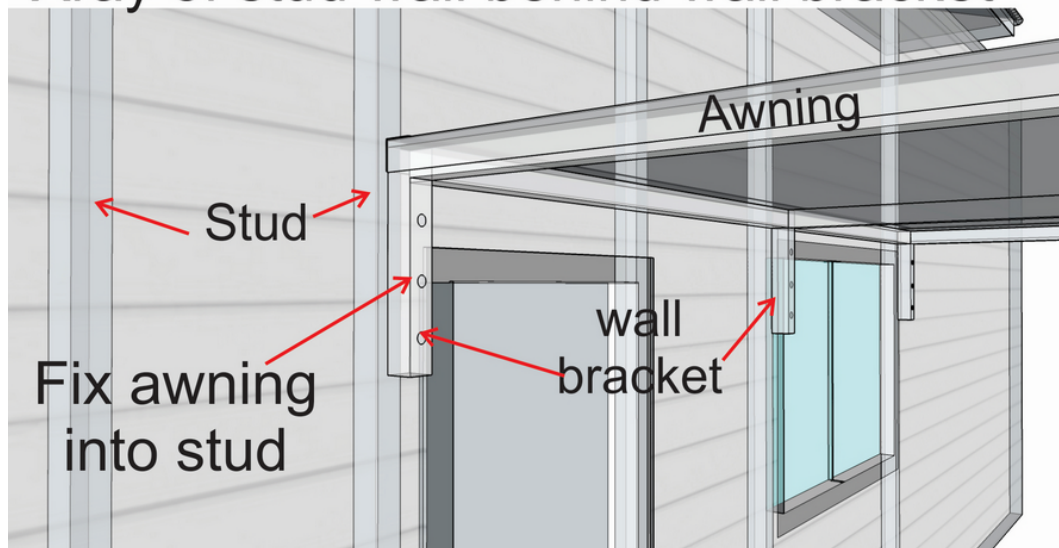
- Wide awnings over 3 metres — a centre arm can be added if there is a structural timber at that position.

TIP Confirm all stud positions with a stud finder before ordering. The arm positions are set at the manufacturing stage and cannot be adjusted on site.

STEP 02

Locating your studs and understanding the wall structure

Xray of stud wall behind wall bracket



X-ray view — the arm fixes through the cladding and directly into the timber stud behind it

First, before doing anything, locate every stud position on your wall where an arm will fix. Use an electronic stud finder and mark each stud clearly with a pencil.

- For a standard 2 arm awning — you need a stud at the left arm position and a stud at the right arm position.
- For a 3 arm awning over 3 metres — you need an additional stud or structural timber at the centre arm position as well.

The most common installation is over a window or door opening — the king studs on each side of the opening are almost always in exactly the right place for the arms to fix into.

■ WARNING Never fix a structural awning arm into cladding alone — always into the timber stud or structural member behind it. If you are unsure, consult a builder before ordering.

TIP Take photos of your stud finder readings and share them with us when ordering — this helps us confirm the arm positions are correct before manufacture.

STEP 03

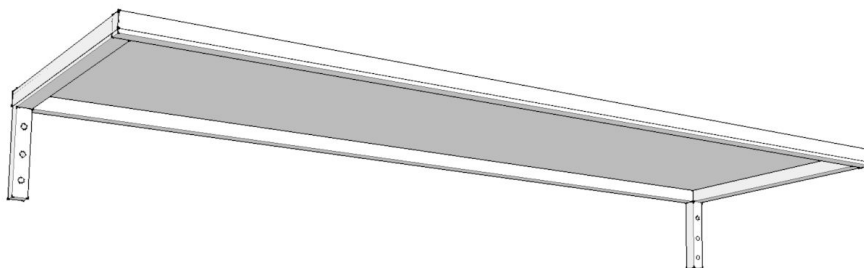
How to mark the wall before fixing

Next, before lifting the awning into position, mark the wall clearly so you know exactly where it is going.

- Mark the height of the top of the awning on the wall at each arm position.
- Use a spirit level to draw a level line across the wall connecting all arm positions — this is your reference line for mounting height.
- Mark the centre position of each stud clearly.

Getting the level line right before lifting the awning is the most important step — it is much easier to adjust a pencil line than an awning that is already up.

TIP Pre-drill pilot holes through the cladding at each arm fixing position before lifting the awning. This makes driving structural screws much faster once the awning is held in position.



2 arm configuration — one arm at each end of the frame, welded permanently to the awning

STEP 04

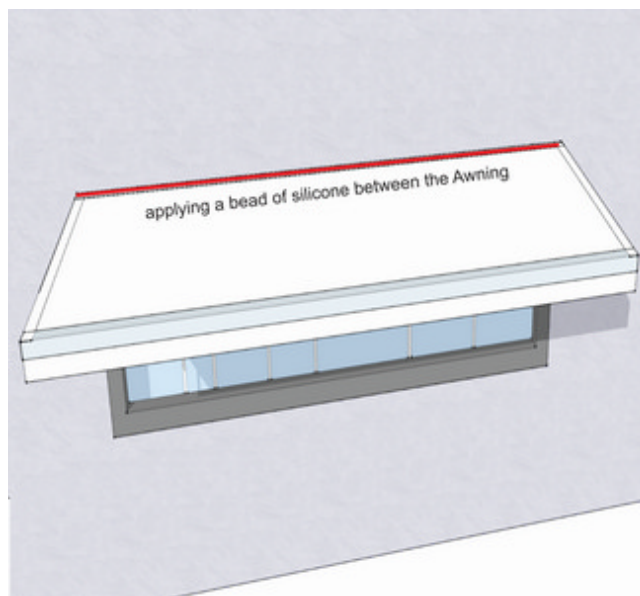
How to fix the awning to the wall

This is the step that makes the Slimline 50 with Fixed Arms so straightforward — the entire awning goes up in one lift.

- Lift the awning into position with the arms flat against the wall, aligning the arm fixing holes with your pre-drilled pilot holes.
- Hold the awning level — use a spirit level across the front frame or have a second person check level while you drive the first screws.
- Drive structural screws through the fixing holes in each arm and into the stud behind the cladding — do not fully tighten until all screws are started.
- Once all screws are in and the awning is confirmed level, tighten all screws fully.

Two people makes this step significantly easier — one to hold the awning level, one to drive the screws. For wider awnings over 2 metres, two people are strongly recommended.

■ **WARNING** Check level before tightening fully. An awning that is slightly out of level is very difficult to adjust once all screws are tight.

STEP 05
How to seal the awning to the wall


Angle the nozzle into the joint — silicone forced between rear rail and wall

Finally, with the awning fixed to the wall, the last step is to apply a continuous bead of silicone along the joint between the rear rail and the wall surface.

Angle the nozzle so the silicone is forced into the gap between the rear rail and the wall rather than sitting on the surface. Silicone performs best when bonded between two surfaces under slight compression.

- Use exterior-grade silicone.
- Apply in one continuous bead with no gaps.
- Tool smooth with a wet finger or silicone tool.
- Allow to fully cure before exposure to rain.

✓ **Installation complete.** Your Slimline 50 with Fixed Arms is ready.

Custom-made in Sydney — supply your measurements and stud positions and we'll build it ready to fix. Get a quote at www.ecoawnings.com.au/quotation/ or call Roland on **0405 533 839**.