

How to Install the Slimline 50 with Cantilever Arms

Suitable for builders, awning contractors and confident DIY installers

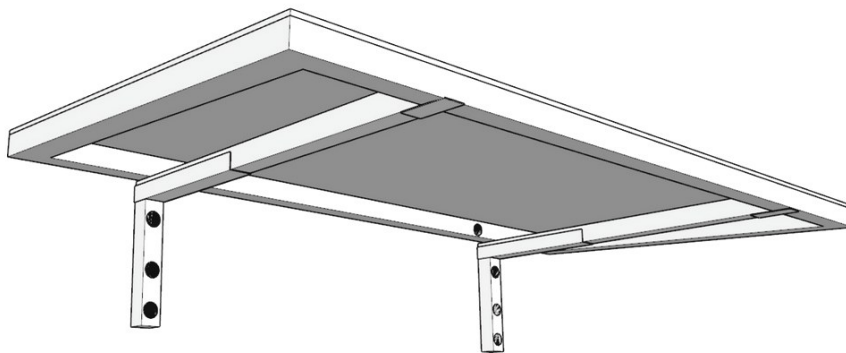
The Slimline 50 with Cantilever Arms is purpose-built for cladded walls. The arms fix directly into the timber studwork behind the cladding — mount the brackets to the wall first, then drop the awning panel over the top. Clean, strong and very straightforward to install. Every awning is custom-made in Sydney and arrives powder-coated and ready to install.

For NSW installation requirements visit NSW Fair Trading (fairtrading.nsw.gov.au).

YOU WILL NEED: Spirit level • Tape measure • Stud finder • Drill & bits • Structural screws or masonry bolts • Tek screws (supplied) • Silicone gun

Fixing type depends on your wall — structural screws into timber studwork for cladded walls, masonry bolts for brick or concrete. **Never fix into cladding alone.**

STEP 1 — Understanding the cantilever arm system



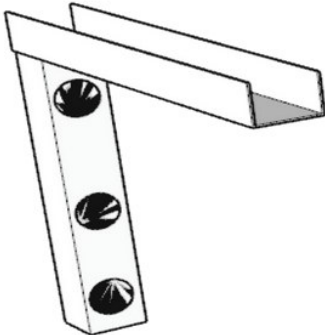
The Slimline 50 with Cantilever Arms — arms fix to the wall first, awning panel drops over the top

The arms are completely independent of the awning frame, which means they can be positioned anywhere along the wall to line up with the timber studs behind the cladding. No fixed bracket spacing — position them exactly where the wall structure is strongest.

TIP: Before starting, locate all timber studs behind your cladding and mark their positions clearly. All arm positions must align with a stud.

STEP 2 — Understanding the cantilever arm parts

The wall bracket



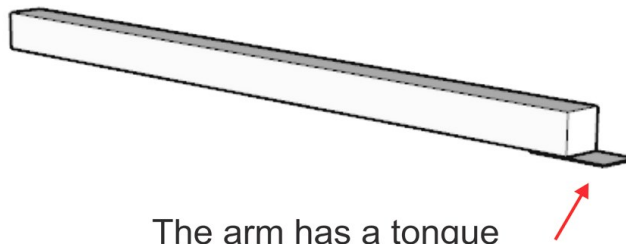
*The wall bracket — fixes to the wall,
U-channel at the top accepts the arm*

The wall bracket is the component that fixes directly to the wall. It is made from heavy-duty powder-coated aluminium with fixing holes for structural screws or masonry bolts depending on your wall type.

The bracket has a **U-channel** at the top — this is where the arm slots in and is secured with Tek screws.

The cantilever arm

The arm is a 50×50mm aluminium section that projects outward from the wall bracket. The tongue identifies which end is which:



The arm has a tongue
that is designed to be fixed
to the front 50x50 rail of the Awning

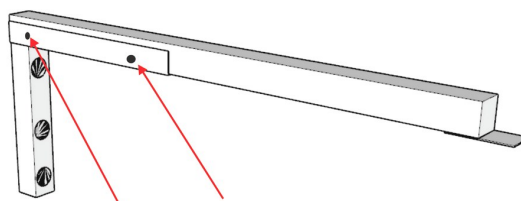
The cantilever arm — tongue at the front identifies the front end; rear end slots into the wall bracket

- **Front end** — the **tongue** is at the front on the low side of the arm. It seats into the front rail of the awning panel and is fixed with a Tek screw.
- **Rear end** — the opposite end to the tongue. This end slots into the U-channel of the wall bracket.

TIP: The tongue is always at the front and always on the low side — this is your reference point for orientation before assembling anything.

STEP 3 — Assemble the cantilever arms

Assemble each arm to its wall bracket on the ground before fixing anything to the wall — much easier than trying to do it once the bracket is on the wall.



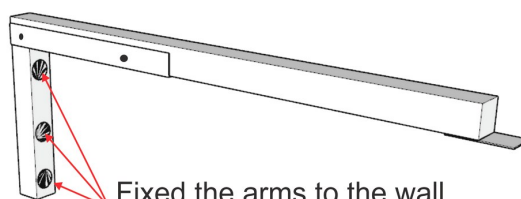
fix the arm to the wall bracket
with 4 tek screws
2 on each side of the U channel

Arm assembled to wall bracket — 4 Tek screws, 2 on each side of the U-channel

- Slide the rear end of the arm into the U-channel of the wall bracket.
- Align the arm so it sits square in the channel.
- Drive **4 Tek screws** — 2 on each side of the U-channel — through the channel wall and into the arm to lock it firmly in place.

TIP: Assemble all arms before moving on to wall fixing. Make sure all 4 Tek screws are fully driven and tight.

STEP 4 — Fix the cantilever arms to the wall



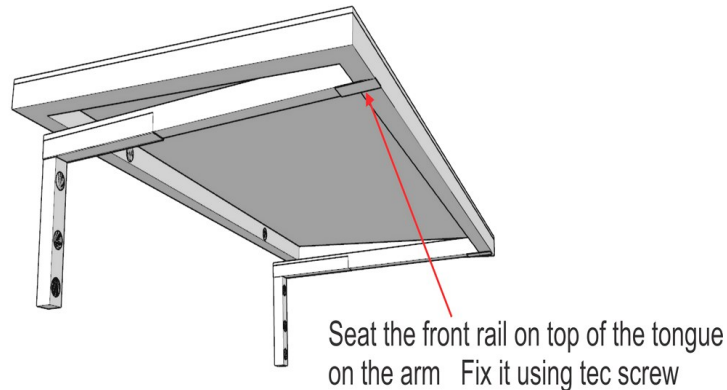
Fixed the arms to the wall
with the appropriate fixed screws
The type of fixing screw
will depend on the type of wall

Each assembled arm fixed to the wall at the correct height — all arms must be perfectly level with each other

- Mark the position of each arm on the wall. Use a spirit level and a straight line to confirm all arms will be at exactly the same height — critical for the awning panel to sit flat.
- Hold the assembled arm against the wall at the marked position.
- Fix through the wall bracket using structural screws into the timber studs behind the cladding (masonry bolts for brick).
- Check level after fixing before final tightening.

WARNING: Arm spacing: position arms to suit your stud locations — as a minimum, one arm within 200mm of each end of the awning frame, and always directly over a stud. Never fix into cladding alone. The number of arms was confirmed at the design stage.

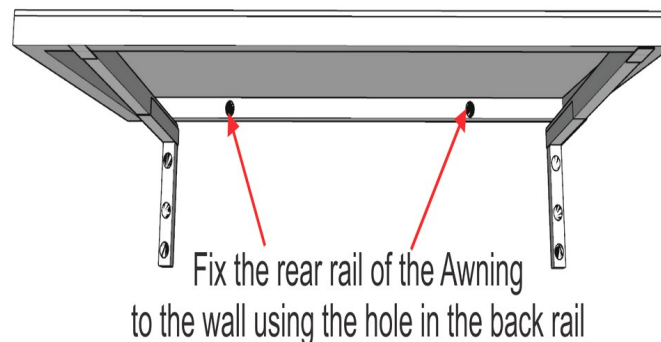
STEP 5 — Mount the awning panel onto the arms



Front rail of the awning panel seated onto the tongue at the front of each arm — fixed with a Tek screw

- Lift the awning panel so the front rail seats onto the tongue at the front of each cantilever arm, with the rear of the panel resting against the wall.
- Make sure the front rail is fully seated onto every arm tongue before driving any screws.
- Drive a **Tek screw through the front rail into each arm tongue** to lock the front of the panel in place.

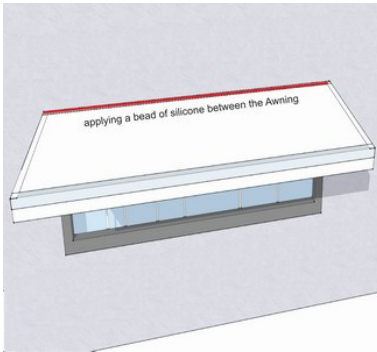
STEP 6 — Fix the rear rail to the wall



Mark through the pre-drilled holes in the rear rail, drill and plug, then fix the rear rail to the wall

- Mark through the pre-drilled holes in the rear rail onto the wall surface with a pencil.
- Remove the panel, drill the marked holes and insert the appropriate wall plugs or fixings.
- Reposition the panel and fix the rear rail to the wall through the pre-drilled holes.

STEP 7 — Seal the awning to the wall



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

Apply a **continuous bead of exterior-grade silicone** along the joint between the rear rail and the wall surface. Angle the nozzle so the silicone is forced into the gap — it performs best when bonded between two surfaces under slight compression.

- 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.

TIP: Installation complete. Your Slimline 50 with Cantilever Arms is ready.

Questions during installation?

Call Roland on 0405 533 839 • sales@ecoawnings.com.au • ecoawnings.com.au
Custom-made in Sydney — supply your measurements and we'll build it ready to fit.