

APEX APDECK 700

INSTALLATION GUIDE

ROOFING & WALLING APPLICATIONS

PRODUCT OVERVIEW

APEX APDECK 700® is a high-strength, concealed-fix profiled cladding designed for both roofing and walling applications. With an effective cover width of 700 mm, APDECK 700® delivers clean, uninterrupted lines and superior spanning capability through its advanced clip-fix system.

Key Features:

- ✓ 700 mm effective cover width
- ✓ High rib structural strength for long spans
- ✓ Concealed-fix installation – no exposed fasteners
- ✓ Smooth, architectural finish suitable for low-pitch roofs and vertical walls
- ✓ Manufactured from high-tensile, Australian-made COLORBOND® or ZINCALUME® steel in 0.42 BMT and 0.48 BMT
- ✓ Tested for wind uplift and weather resistance in accordance with AS 1562.1 and AS 4040

PREPARATION

Tools Required

- Cordless drill with adjustable - torque
- String line and chalk line
- Apex Deck Turn-up/Down tool
- Aviation snips or metal cutting saw
- PPE (gloves, eye protection, safety harness where required)

Handling & Storage

- Store sheets flat, off the ground on timber dunnage under cover.
- Avoid trapping moisture between sheets to prevent staining.
- Lift long sheets by two or more people or a mechanical lifting device.

Planning

- Determine sheet run direction to lay with prevailing winds.
- Allow 50 mm sheet overhang at eaves and 100 mm turn-up at ridge.
- Align first sheet square to eaves and ridge.

INSTALLATION

PROCEDURE

Step 1 – Position and Fix First Clip

Locate the first Apex Deck Clip at the eave line with the open end facing the laying direction. Fix each clip to every purlin using two Apex-approved fasteners (#12-14×30 Hex Head self-drilling screw). Ensure clips are aligned in a straight line using a string line.

Step 2 – Install First Sheet

Engage the female rib of the sheet onto the clip starting from the eave. Apply even foot pressure over each clip until the “snap” sound confirms full engagement. Check sheet alignment and squareness at ridge and eave.

Step 3 – Fix Remaining Clips and Lay Next Sheet

Place the next row of clips along each purlin, using the sheet rib as a guide for spacing. Position the next sheet by engaging the male rib into the female rib of the previous sheet. Step on the lap rib line to lock it into place and continue sequence across the roof or wall area.

Step 4 – Turn-Ups and Turn-Downs

Use the Apex Turn-Up Tool to raise the pan at the ridge end to prevent capillary ingress. Use the Turn-Down Tool at the eave end to form a lip $\approx 20^\circ$. Avoid tearing the sheet.

Step 5 – Flashings & Cappings

Install ridge, barge, and apron flashings in accordance with Apex standard details. Use compatible sealing tapes and fasteners. Avoid direct contact between zinc and copper materials.



Lay the first sheet over the clip.



End of the first sheet will go over clip



Lay the subsequent sheets over the top of the previous sheets.

FASTENERS TABLE

| COMPONENT | FASTENER TYPE | DESCRIPTION / LOCATION |
|----------------------|----------------------------|--|
| Clip to Purlin | #12-10 Gauge×16mm Hex Head | Fasten each leg of clip to purlin |
| Flashings & Cappings | #10-16×16 Wafer Head | Fasten at max 300 mm centres |
| Sheet Ends | N/A | Concealed-fix; no through-fasteners used in sheet body |

GENERAL CARE, SAFETY & HANDLING

SAFETY

- All work on roofs must comply with Work Health and Safety Regulations and relevant Australian Standards.
- Installers must use suitable fall-protection systems, wear non-slip footwear, and avoid walking on wet or dusty sheets.
- Power tools must be earthed; loose items should not be left where they could slide off a roof.
- On-site risk assessments should cover edge protection, manual handling, and weather conditions.

CARE & STORAGE BEFORE USE

- Sheets should be stored under cover, flat on timber dunnage, and clear of the ground to prevent moisture accumulation.
- Do not store different metals together (e.g., copper and steel) to avoid galvanic corrosion.
- If moisture exposure occurs, separate and dry sheets immediately to prevent white rust.

HANDLING CLADDING ON-SITE

- Handle sheets in a vertical orientation, not dragged across one another.
- Carry long sheets by two or more people using gloves to avoid edge cuts.
- Lift bundles evenly over supports; never drag across purlins or ground.
- Protect finished surfaces from damage by other trades and by fastener swarf

WALKING ON ROOFS

- Walk only in sheet pans, close to supports, wearing soft-soled shoes.
- Avoid walking on ribs or laps to prevent denting.
- Plan roof work to minimize traffic on finished areas.

MARKING OUT, CUTTING & DRILLING

- Use soft pencils or chalk for marking—never scribes or steel points.
- Cut with nibblers or cold-cut saws, not angle grinders (which damage coatings).
- Drill holes cleanly and remove all metal swarf to avoid rust staining.

CLEAN UP

- After each day's work, remove all swarf, offcuts, rivet stems, and debris from roofs and gutters.
- Failure to clean up may void warranties due to coating damage.

WARN OTHER CONTRACTORS

- Notify other trades when roofing work is underway and protect the roof from damage by following trades (e.g., plumbers, electricians).

STRIPPABLE COATINGS (FLASHING MATERIALS)

- Peel off protective film immediately after installation; sunlight and heat can cause film to adhere permanently if left on.

SEALANTS

- Use only neutral-cure silicone or butyl-based sealants compatible with COLORBOND® or ZINCALUME® coatings.
- Apply on clean, dry surfaces and use sparingly—sealant should not substitute for proper detailing.

MAINTENANCE

- Schedule regular roof and wall inspections (at least annually).
- Clean gutters and remove debris; check fasteners, flashings, and sealants.
- Wash cladding periodically with fresh water in coastal or industrial environments to maintain appearance and longevity

TECHNICAL NOTES & DISCLAIMER

All descriptions, dimensions, and figures are approximate and subject to change without notice. Apex Steel reserves the right to modify product design and specifications at any time. This publication is intended to assist qualified trades and specifiers in the installation of Apex products. It is not a substitute for professional judgement or building design advice. Except as required by law, Apex Steel shall not be liable for any loss or damage arising from use of this document.

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