IMPORTANT NOTICE:

This is the PRCS Interlocking Panel Installation Guide (Installation Guide) which provides information in relation to the handling, storage, installation and maintenance of the PRCS Interlocking Panel System (Panel System) manufactured by Prestige Roofing & Cladding Supplies Pty Limited (PRCS).

Read this Installation Guide in full before commencing installation of the panel system. The installation guide must be complied with in full to ensure appropriate warranties remain in effect.

Always inspect each and every panel and all accessories before installation. Never install any panel if there are any signs of imperfection. You must notify PRCS promptly if any panel is not as specified or has been damaged during transport.

Before beginning installation of any panels, the installer should examine the substrate and framing to ensure that all supporting members are straight, level, and plumb to avoid any panel distortion. All substructures should be designed to meet all national construction code (by Australian building codes board) and Australian standards necessary requirements.

The installer should thoroughly familiarize himself with all installation instructions before starting work.

The installation guide does not cover every instance, building requirements, designs or codes. It is the responsibility of the designer/installer to ensure that the details meet particular building requirements.

The designer/installer must be aware of, and allow for, expansion/contraction of panels. The details may require changes or revisions due to each project’s conditions.

Each panel should be installed plumb, straight, and accurately to the adjacent work.

Some field cutting and fitting of panels and trim is to be expected by the installer and minor field corrections are a part of normal installation work.

Installation procedures and penetrations by fasteners in the panel system shall be in approved by PRCS prior to execution, in form of written guidelines, details or the approved shop drawings. Trim shall be installed true, and in proper alignment, with any exposed fasteners equally spaced for the best appearance.

Closures shall not be attached unless the proper sealant is placed under or around these closures. Sealants shall be field applied on dry, clean surfaces.

All trims, closures, and accessories shown on the installation drawings can be provided by Prestige Roofing and Cladding Supplies, unless noted otherwise.

Oil canning in the flat area of the panels is common to the industry and shall not be a cause for panel rejection. For more information about oil canning go to www.prcs.com.au

All installation works to be carried in accordance to national code of construction of Australia and Australian standards including:
- AS 1562.1 – design and installation of sheet roof and wall cladding
- SA HB 39:2015 – installation code for metal roof and wall cladding

Where modifications to size, scale or shape or additions to any product detail provided on this manual is to be incorporated onto onsite installation details, it is up to the installer to make it in accordance to code and standards abovementioned. Prestige Roofing and Cladding Supplies will not be responsible for any work carried out without following guidelines provided on this manual or outside of national code of construction and / or Australian standards stated above.
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A. PRCS INTERLOCKING PANEL CHARACTERISTICS

PRCS INTERLOCKING panels are a contemporary and cost-effective solution to architectural metal cladding applications. Being a rainscreen cladding system, our interlocking panels are designed to cover and protect exterior and interior walls of a building, while providing an appealing aesthetical solution.

Our panels are manufactured in-house with our own roll forming machines, giving us the ability to control all aspects of their fabrication process.

The panels must be installed by appropriately licensed tradespeople. The system comprises of a panel with a “male” and “female” side of pan, which is screw fixed directly to tophats running perpendicularly to the direction of the panels.

The panel creates a 24mm deep recessed shadowline in its joints (joint width 10-15mm) and can be installed vertically or horizontally but for cladding only. Utilising a range of pre-designed flashings, these panels can assist any designer, architect, roofer, builder and homeowner to achieve an amazingly looking project.

PRCS Snap Lock can be manufactured in a variety of options of metals and finishes, including Colorbond®, Colorbond Ultra®, Colorbond Matt®, Copper, Aluminium and Zinc.
**B. PANEL PROFILE DETAILS**

![Diagram](image)

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>WALL CLADDING ONLY</th>
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<tbody>
<tr>
<td><strong>MAXIMUM PANEL LENGTH</strong></td>
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<tr>
<td><strong>SUBFRAME</strong></td>
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<tr>
<td><strong>PANEL HEIGHT</strong></td>
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<td><strong>FIXING METHOD</strong>*</td>
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<td><strong>FASTENERS</strong>*</td>
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<td><strong>PAN SIZE</strong></td>
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*The use of appropriate fixings, correct spacing & gauge of subframe, and appropriate waterproofing & separation layers is of full responsibility of the installer due to site specifics requirements.*
C. MATERIAL OPTIONS

PRCS Interlocking Panels can be manufactured out of:

**COPPER**

0.9mm KME Copper

**ALUMINIUM**

0.7mm Aluminium – various colours available

**ZINC**

1 mm VMZINC Natural finish VMZINC
1 mm VMZINC Quartz / Anthra finish VMZINC
1 mm VMZINC Pigmento range

**COLORBOND / Painted Steel**

0.55 Colorbond range
0.55 Colorbond Ultra range
0.55 Colorbond Matt range
D. HANDLING, STORAGE AND SAFETY

Check delivery for damage or missing quantities immediately. Promptly notify PRCS if there is any damage or missing pieces.

Always wear gloves when handling panels, and wear soft, non-marking, soled shoes when walking on them to avoid scratches and marks on material. When walking over panels, always step on pans, never on ribs/seams.

Panels must be stored in dry, well ventilated area, away from the elements. To keep condensation to a minimum, make sure panels are elevated at one end for runoff from any condensation that may occur. Do not store panels where they may get wet.

Do not store panels in direct contact with the ground or anywhere where they can get wet. Protect panels from soil, fertilizers and any abrasive cleaning products.

Panel bundles should be unloaded with forklifts. Forks should be place far apart and panel bundles picked up at centre of gravity. For longer panel bundles (7m or above), use fork lift with spreader bar. For softer metals (copper, aluminium, zinc), lay panels over pallet for transportation.

Wear proper clothing and safety attire at all times when on site.

Do not handle panels on extremely windy days. Panels can become lifting objects and can lift individuals off scaffolds or become airborne and fall causing accidents.

Metal panels can be slippery when wet or dusty. Do not work on a metal roof when these conditions persist. Soft Soled shoes will help minimise slipping and reduce damage to panel finish.

Be aware of surroundings: i.e. overhead electrical wires, roof pitch, roof edges, scaffolding, other labour staff, antennas, openings and any other possible obstructions.
**E. SCREW POSITION & PANEL FIXING PROCEDURE**

PRCS Interlocking Panel System is profiled so one can fix a screw through its female side directly onto tophat subframe, and once next panel’s male side slides in the screw is concealed and the result is a beautiful recessed shadowline joint.

Panel fixing procedure:

1. **Install subframe (tophats / plywood / timber battens), and assure it is straight and true (levelled)**

2. **Position panel perpendicularly over tophats subframe***

*For copper panels over galvanised tophats, assure a separation layer (ie.: breathable waterproofing membrane) is installed in between to avoid galvanic corrosion – or use stainless steel tophats
3. Position screw over the edge of female side where the panel meets centre of tophat underneath

4. Fix the screw so it penetrates both the panel and tophat subframe

*For copper panels over galvanised tophats, assure a separation layer (i.e.: breathable waterproofing membrane) is installed in between to avoid galvanic corrosion – or use stainless steel tophats
5. Insert male side of next panel inside female side of screw fixed panel

6. Repeat the procedure as required

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### F. FLASHINGS

<table>
<thead>
<tr>
<th>Bottom Flashing</th>
<th>Side / Top Flashing</th>
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<tbody>
<tr>
<td><img src="image" alt="Bottom Flashing" /></td>
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<tr>
<th>Custom Corner Panel – for Vertical Interlocking Panels</th>
<th>Parapet Capping</th>
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<td><img src="image" alt="Custom Corner Panel – for Horizontal Interlocking Panels" /></td>
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All suggested flashings are a guide only. It is responsibility of the installer to assure compliance with Australian Standards and National Construction Code. Prestige Roofing and Cladding Supplies is not to be hold responsible for issues resulting from misuse of the information provided on this manual or any alteration to shape and size of proposed flashings.
Sarking / breathable waterproofing membrane not shown for clarity.
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H. FLASHINGS / TRIM DETAILS – HORIZONTAL PANEL ORIENTATION

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I. RECOMMENDED WALL BUILD UP

EXTERNAL SIDE

<table>
<thead>
<tr>
<th>PRCS INTERLOCKING PANEL</th>
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<tbody>
<tr>
<td>BREATHABLE WATERPROOFING MEMBRANE*</td>
</tr>
<tr>
<td>20MM TOPHAT SUBFRAME – RUNNING IN PERPENDICULAR DIRECTION TO INTERLOCKING PANELS</td>
</tr>
<tr>
<td>BREATHABLE WATERPROOFING MEMBRANE</td>
</tr>
<tr>
<td>WALL STRUCTURE / INSULATION</td>
</tr>
<tr>
<td>VAPOUR BARRIER</td>
</tr>
<tr>
<td>INTERNAL WALL LINING</td>
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INTERNAL SIDE

* ONLY IF COPPER PANELS OVER GALVANISED TOPHATS. TO AVOID THIS ISSUE, STAINLESS STEEL TOPHATS CAN BE USED WITH COPPER PANELS
J. RECOMMENDED INSTALLATION SEQUENCE*

1) Breathable Waterproofing membrane over structure
2) Bottom flashings
3) Side Flashings / Corner Flashings
4) Top Flashings
5) PRCS INTERLOCKING PANELS
6) Wall / Parapet Cappings

* General guide only. If a different scenario / order is required, then it is responsibility of the installer to assure compliance with Australian Standards and National Construction Code. Prestige Roofing and Cladding Supplies is not to be hold responsible for issues resulting from misuse of the information provided on this manual or any alteration to order of proposed flashings.
**K. MAINTENANCE AND WARRANTY**

PRCS Interlocking Panels may be supplied with a warranty. The following maintenance procedures are a requirement of the warranty:

- PRCS Interlocking panels have to be stored and safely handled as per section “D. HANDLING, STORAGE AND SAFETY” of this manual.
- During the installation, installers need to use adequate footwear, in accordance with Workplace Health Safety and specific site requirements are met.
- Once panels are installed, all debris, offcuts, extra sealants, fixings and other construction materials need to be completely removed from its surface.
- PRCS panels should not be installed directly under trees to avoid damage caused by falling branches or corrosion by dripping tree sap.
- PRCS panels should not be installed by unqualified / uncertified contractors.
- All flashings, fasteners or components fixed to or used with the PRCS Interlocking panels must be supplied, or approved in writing to you, by PRCS.
- After installation all panels need to be regularly washed with fresh water in a period of no more than 6 months apart. If panels are not exposed to rainwater (including soffits, external awnings, bottom of gutters), then they will have to be hosed off with fresh water.
- Some materials react with salt water and will have restriction as to where they may or may not be used in marine environments. If you are unsure of which material selection is the best for your project, please contact PRCS.

**L. DISCLAIMER**

OIL CANNING: Expansion and contraction are natural occurrences to all metals once they face temperature variances. All metals will expand and contract at different rates and this can cause the panels to have a “wavy” aspect to them. This is not a defect but a natural occurrence when working with sheet metal.

TOLERANCES: Prestige will work to the closest of tolerance but reserves the right to a margin of 2.5mm tolerance on products and services provided.

MATERIAL DAMAGE BY OTHERS: Prestige cannot warrant nor accept any responsibility on any product once removed from the main premises of prestige for external treatment or other applications outside of the original manufactured state, not limited to the unknown use of products after purchase.

For more information, please contact us:

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