IMPORTANT NOTICE:

This is the PRCS Snap Lock Panel Installation Guide (Installation Guide) which provides information in relation to the handling, storage, installation and maintenance of the PRCS Snap Lock 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
- AS 2180 – metal rainwater goods – selection and installation
- AS 2179.1 – specification for rainwater goods, accessories and fasteners metal shape or sheet rainwater goods, and metal accessories and fasteners
- AS 3500.3 – plumbing and drainage stormwater drainage

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 SNAP LOCK CHARACTERISTICS

PRCS SNAP LOCK panels are a contemporary and cost-effective solution to architectural metal cladding and roofing applications, especially when trying to mimic the traditional standing seam look.

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 are of easy installation if compared to standing seam but must be installed by appropriately licensed tradespeople. The system comprises of a panel with a bottom (male) and top (female) side of pan, which is fixed to a continuous substrate support (usually plywood) through a proprietary clip that goes over the male side. Once clip is in place, the female side of next panel is then fixed over the male with clips by applying pressure until a “click” is obtained, so no seaming or folding is necessary.

The panel has very distinct lines created by its 38mm high seams/ribs, and can be used for both roofing and cladding applications. Utilising a range of pre-designed flashings, these panels can assist any designer, architect, roofer, builder and homeowner to achieve an amazingly looking project for much less cost if compared to traditional standing seam roofing or cladding.

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

#### TECHNICAL SPECIFICATIONS

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<tr>
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<td>0.55, 0.6 OR 0.7MM COPPER</td>
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<td></td>
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C. MATERIAL OPTIONS

PRCS Snap Lock panels can be manufactured out of:

**COPPER – 284 and 484mm pans**
- 0.6mm KME Copper
- 0.7mm KME Copper

**ALUMINIUM – 284 and 484mm pans**
- 0.7mm Aluminium – various colours available

**ZINC – 384mm pans**
- 0.7mm VMZINC Natural finish VMZINC
- 0.7mm VMZINC Quartz / Anthra finish VMZINC
- 0.7mm VMZINC Pigmento range – *for walls only*

**COLORBOND – 284 and 484mm pans**
- 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.

Do not walk on panel seams / ribs. Walk only in the flat areas of the panels.

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 of roof, 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. CLIP DETAILS

PRCS Snap Lock Panel System is supplied with a proprietary clip. No fewer than 2 fasteners should be used per clip to properly fix PRCS snap lock panels.

The clip allows for natural movement (expansion and contraction) of the snap lock panel to occur, but holds the panels in place, and is always concealed because the top/female section of the panel is placed over it.

Clip installation procedure:

1) Install first panel using a starter male/bottom only flashing.
2) Place clips over the edge of first panel male/bottom side and screw fix them - please refer to clips placement instructions below for correct placement / spacing of clips
3) Hook second panel with female/top side over the first panel’s male / top side.
4) Gently step on the rib/seam until it snaps
Clips Placement:

Top of panel: 3 sets, 200mm apart starting from 100mm of far top

Middle of panel: clips every 400mm

Bottom of panel: 3 sets, 200mm apart starting from 50mm of starter flashing
FLASHINGS / TRIM DETAILS - ROOFING

- STARTER FLASHING
- VALLEY FLASHING
- WALL TO ROOF FLASHING
- RIDGE FLASHING
- TOP TERMINATION FLASHING
- ROLL TOP RIDGE FLASHING
- MALE/BOTTOM ONLY STARTER FLASHING
- RIDGE STIFFENER

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 held responsible for issues resulting from misuse of the information provided on this manual or any alteration to shape and size of proposed flashings.
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FLASHINGS / TRIM DETAILS – WINDOWS

A) VERTICAL PANEL ORIENTATION

Clips and breathable waterproofing membrane not shown for clarity.
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FLASHINGS / TRIM DETAILS – WINDOWS

A) HORIZONTAL PANEL ORIENTATION

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### RECOMMENDED ROOF BUILD UP

**EXTERNAL SIDE**

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<td>18MM PLYWOOD SUBSTRATE</td>
<td></td>
</tr>
<tr>
<td>40MM VENTILATION GAP**</td>
<td>BREATHABLE WATERPROOFING MEMBRANE***</td>
</tr>
<tr>
<td>ROOF STRUCTURE / INSULATION</td>
<td>VAPOUR BARRIER</td>
</tr>
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<td>CEILING LINING</td>
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</tr>
</tbody>
</table>

**INTERNAL SIDE**

* BITUMEN BASED MEMBRANES ARE NOT SUITABLE FOR ALL METALS. PLEASE CONSULT PRCS BEFORE USING ANY NON-RECOMMENDED MEMBRANES

**40 VENTILATION GAP IS REQUIRED FOR ZINC ROOFS

*** APPLIES ONLY IF VENTILATION GAP IS INCORPORATED

### F. RECOMMENDED WALL BUILD UP

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<th>PRCS SNAP LOCK PANEL</th>
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<td>20MM VENTILATION GAP**</td>
<td>BREATHABLE WATERPROOFING MEMBRANE***</td>
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**INTERNAL SIDE**

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**20 VENTILATION GAP IS REQUIRED FOR ZINC WALLS

*** APPLIES ONLY IF VENTILATION GAP IS INCORPORATED
G. RECOMMENDED INSTALLATION SEQUENCE

ROOFS*

1) Roof Battens (over roof structure) spaced at no more than 600mm centres**
2) 18mm Plywood substrate
3) Fascia Cover (over fascia board)
4) Gutters
5) Bottom starter flashings / valley flashings / soaker
6) Breathable waterproofing membrane
7) Top termination flashings / wall to roof flashings / Under Flashing
8) PRCS Snap Lock panels
9) Ridge capping / Side Capping

* 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.

** For zinc cladded roofs it is required the battens to create an unobstructed ventilation cavity behind plywood substrate with inlets at the bottom and outlets on top for aeration of the system. Insect / ember meshes should be incorporated on both ends. Minimum depth for roof ventilation cavity is 40mm.
**Walls**

1) 15mm Plywood substrate (over wall structure) **
2) Bottom flashings 
3) Breathable Waterproofing membrane 
4) Side Flashings / Corners 
5) Top Flashings 
6) PRCS Snap Lock panels 
7) 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.

** For zinc cladded walls it is required to install plywood substrate over vertical battens spaced at no more than 600mm centres to create an unobstructed ventilation cavity with inlets at the bottom and outlets on top for aeration of the system. Insect / ember meshes should be incorporated on both ends. Minimum depth for wall ventilation cavity is of 20mm.
H. MAINTENANCE AND WARRANTY

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

- PRCS Snap Lock 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, and walk only on panel pans not onto its ribs/seams as to not scratch, bend, or deform PRCS Snap Lock panels.
- 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 Snap Lock 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.

I. 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:

PRESTIGE ROOFING AND CLADDING SUPPLIES
25 ETHEL AVENUE, BROOKVALE NSW
PHONE: 02 9939 5206 / FAX: 02 9939 5781