INSTALLATION ASSISTANCE

SNAPLOCK & NAILSTRIP

EuroPlus SERIES

SNAPLOCK USED AS ROOF & WALL CLADDING

EuroPlus Snaplock Panels can be installed as either a Roof Sheeting or a Vertical Wall Cladding. This document is to be used as general advice that should be followed to ensure the Snaplock Profile performs physically and aesthethically.

This advice is also suitable for EuroPlus Nailstrip, with the only difference between the two being Nailstrip is positively fixed with a concealed fix fastener rather than a concealed clip. Besides that difference, the span, appearance, and fixing method are the same.

INSTALLATION | WALL CLADDING APPLICATION

Snaplock & Nailstrip Panels are typically installed on a 40mm top hat at 600mm centres. The installer should ensure a Membrane is chosen behind the Snaplock Panel, requirements for permeable or non-permeable Membranes depend on climate zone and type of construction.

Before beginning, the Installer should check that the Top Hats have been installed in a level plane, any discrepancies must be addressed before commencing installation. Revolution by Design reccommend that you do not install direct to stud work or precast because the surface will typically be uneven and cause Oil Canning in the panel. A substrate of top hats that have been packed out is considered best practice.

When you are ready to begin your installation, string line the first Snaplock or Nailstrip Panel to ensure the panel is square. Fix the clips to the 40mm Top Hat with a minimum of two (2) fasteners, Top Hats are set at a maximum of 600mm centres.

Once all clips have been secured to the first panel, the second panel can be fixed in position, when a 'click' sound is heard*, you will know two panels have fully engaged. Check the engagement of the sheet is consistent from the top of the sheet to the bottom.

Revolution by Design recommend installing five to six (5-6) sheets and then checking the aesthetic performance of the profile before proceeding. If Oil Canning is present in the pans or the bruising where clips have been installed, an investigation needs to be performed to find the cause.

Typical causes of Oil Canning when installing EuroPlus Snaplock or Nailstrip in a Wall Cladding application include:

- Uneven substrate
- Wrong fasteners used to install the clips
- Sheets out of square
- Sheets are not fully engaged

*__Note:__ The Nailstrip profile does not 'click' when engaged, so the installer must check the engagement before proceeding to the next sheet.

INSTALLATION ASSISTANCE

SNAPLOCK & NAILSTRIP

EuroPlus SERIES

INSTALLATION | ROOF SHEETING APPLICATION

Snaplock & Nailstrip Panels should be installed on 19mm Plywood with a medium grade sisaltion or building paper between the plywood and the back of the panel. Roof Blanket should not be used directly underneath the Snaplock or Nailstrip Panel as it will cause the pan to bulge.

Before beginning, the Installer should check the Plywood has been installed to Australian Standard and there is a minimum 40mm gap behind the plywood, this will ensure the substrate is suitable for the Snaplock or Nailstrip Panel.

When you are ready to begin your installation, string line the first panel of Snaplock or Nailstrip Panel checking that the panel is square to the barge. For the first sheet only positively fix the panel to the plywood through the pan of the sheet, this fixing will be covered by the barge flashing post installation.

Install the clips to the underlap of the Snaplock or Nailstrip Panel to be a maximum of 600mm centres.

Once all clips have been secured, the second panel can be fixed in position, when a 'click' sound is heard*, you will know two panels have fully engaged. Check the engagement of the sheet is consistent from ridge line to gutter line.

Revolution by Design recommend installing five to six (5-6) sheets and then checking the aesthetic performance of the profile before proceeding. If Oil Canning is present in the pans or the bruising where clips have been installed, an investigation needs to be performed to find the cause.

Typical causes of Oil Canning when installing EuroPlus Snaplock or Nailstrip in a Roof application include:

- Uneven substrate
- Wrong fasteners used to install the clips
- Sheets out of square
- Sheets are not fully engaged

*__Note:__ The Nailstrip profile does not 'click' when engaged, so the installer must check the engagement before proceeding to the next sheet.

SNAPLOCK USED AS ROOF CLADDING

INSTALLATION | MINIMISING OIL CANNING

Oil Canning is an inherent characteristic of Metal Wall Cladding and Roof Sheeting which have broad flat areas. Oil Canning is often the term given to distortion or waviness in the pan of the sheet.

There are measures that can be taken during design and installation to minimise the risk of Oil Canning such as ensuring the substrate is flush, the panels are fixed vertically, limiting the continuous length of each panel, and choosing an installer who has experience with installing architectural profiles. Knowledge of thermal movement, material performance, and installation techniques are critical for aesthetic performance of the profile.

Despite the above measures, Revolution by Design cannot guarantee that Oil Canning will be eliminated because it can also be caused in the manufacture or slitting of the flat coil; manual handling during production or installation; by the ambient temperature at the time of installation; or viewing of the profile.

The functional performance of Snaplock or Nailstrip Panel is not compromised by Oil Canning and as such will not be a reason for rejection of the panels.