REVOLUTION EuroPlus SERIES

# SnapLock | Nailstrip Installation Notes

## Installation – Wall Cladding Application

EuroPlus SnapLock panels can be installed as either a Roof Sheeting or a vertical Wall Cladding. This document is to be used as generic advice that should be followed to ensure the SnapLock profile performs physically and aesthetically.

This advice is also suitable for EuroPlus Nailstrip, the only difference is the Nailstrip is positively fixed with a concealed fastener rather than a concealed clip. Otherwise the spans, appearance, and fixing method are the same.

### Wall Cladding:

SnapLock Panels are typically installed on a 40mm top hat at 600mm centres. The installer should ensure a suitable Membrane is chosen behind the SnapLock Panel, requirements for permeable or non-permeable membranes depend on the 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 Roofing recommend 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 Panel to ensure the panel is square. Fix the clips to the 40mm top hat with a minimum of two 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. (Note that the Nailstrip profile does not ‘click’ when engaged so the installer must check the engagement before proceeding to the next sheet).

Revolution Roofing recommend installing 5-6 sheets and then checking the aesthetic performance of the profile before proceeding. If there is oil canning in the pans of the sheets or bruising where the clips have been installed an investigation needs to be performed to find the cause.

Typical causes of oil canning when installing EuroPlus SnapLock in a Wall Cladding application are:

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

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## Installation – Roof Sheeting Application

SnapLock Panel can be installed as either a Roof Sheeting or a vertical Wall Cladding. This document is to be used as generic advice that should be followed to ensure the SnapLock profile performs physically and aesthetically.

This advice is also suitable for EuroPlus Nailstrip, the only difference is the Nailstrip is positively fixed with a concealed fastener rather than a concealed clip. Otherwise the spans, appearance, and fixing method are the same.

### Roof Sheeting:

SnapLock Panels should be installed on 19mm plywood with a medium grade sisalation or building paper installed between the plywood and the back of the panel, Roof Blanket should not be used directly underneath the SnapLock panel as it will cause the pan to bulge.

Before beginning the Installer should check that 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 panel.

When you are ready to begin your installation, string line the first panel of SnapLock 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 panel clips 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. (Note that the Nailstrip profile does not 'click' when engaged so the installer must check the engagement before proceeding to the next sheet).

Revolution Roofing recommend installing 5-6 sheets and then checking the aesthetic performance of the profile before proceeding. If there is oil canning in the pans of the sheets or bruising where the clips have been installed an investigation needs to be performed to find the cause.

Typical causes of oil canning when installing EuroPlus SnapLock in a roof sheet application are:

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

SnapLock Panels can be installed on battens in a Roofing application however this advice is not suitable for all applications or in all panel sizes; for project specific advice please contact Revolution Roofing for technical assistance.

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## 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 Roofing 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 and by the ambient temperature at the time of installation, or viewing of the profile.

The functional performance of the SnapLock Panel is not compromised by oil canning and as such will not be a reason for rejection of the panels.


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