

SNAPLOCK® TECHNICAL INFORMATION

System Options

'The Snaplock® profile contains an undercloak and an overcloak – the undercloak side is fixed with a stainless steel fixing clip and the overcloak side is then simply 'snapped' into place'.

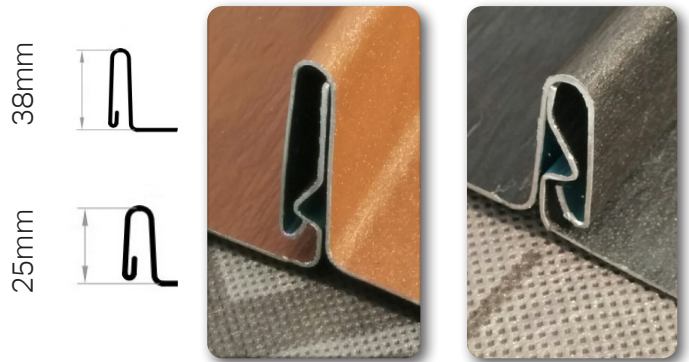
Snaplock® is available as;

38mm profile height

Suitable for a minimum roof pitch of 3 °

25mm profile height

Suitable for a minimum roof pitch of 7 °



Lengths

The maximum panel lengths for factory produced panels is 12m, or other longer lengths if they are logistically possible to transport.

Panels are also available in tapered format.
(As shown bottom right).

Cover Widths



386mm

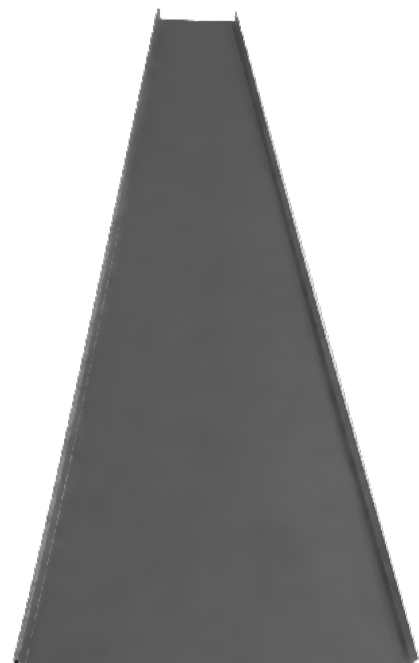


425mm

Other panel widths are possible, subject to project specific approval.



Snaplock® Straight Panels



Snaplock® Tapered Panel

Substrates

Snaplock® can be mounted on all roof build-ups, the only pre-requisite being that it is fully supported;

- Ventilated 18mm wbp plywood, OSB3 or softwood boards
- Hard Metal Board
- Composite Panel
- SIPS Panel
- Rigid Insulation
- Cellular Glass Insulation

See page 9-11 for further details.

Underlays

The following underlays are recommended;

Facades – ISO-Mat Pro
Ventilated Roofs – ISO-Mat Pro
Non-ventilated roofs – ISO-Mat Metal

Training

Training in the installation of the Snaplock® system is highly encouraged and helps to benefit the most from this Guide.

Contact us for current availability.

Clip Number & Spacing

As a general rule clips are spaced at 300mm centres throughout the installation. This applies to Snaplock® panels and for the associated flashings.



Clips spacing may be reduced to 200mm, centres around building edges in exposed locations.



Fixing Clips

The same clip is used for the fixed and sliding variant.

Fixed clips are used to retain the Snaplock® panel in its location and to prevent 'creep'. Fixed clips are created & located as per the table overleaf.

Sliding clips allow the unhindered longitudinal elongation of the Snaplock® panel due to temperature variation.

Fixing Information

Fixings are used to secure the Snaplock® fixing clip to the substrate. The following are used depending on the type of substrate to be fixed to;



- 25mm x 3.38mm stainless steel ring shank nails
- 25mm x 2.8mm stainless steel Paslode nails
- 20mm x 4.3mm stainless steel wood screws
- 22mm x 4.8mm stainless steel self-drilling screws

Cross Joints

The Snaplock® seam is designed to be installed in one piece from eaves to ridge. Cross joints are not necessary or recommended.

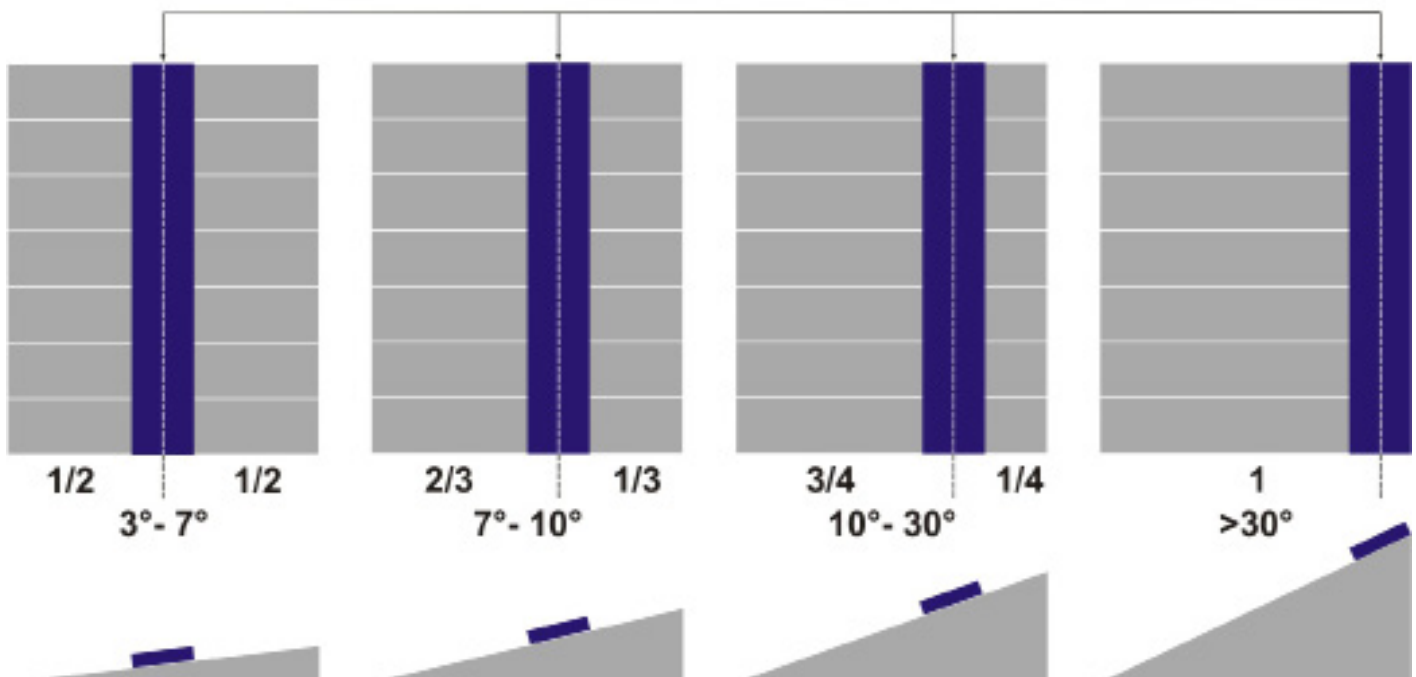
In certain situations where cross joints are required i.e. roof penetrations, please contact us for advice.

Maintenance

The Snaplock® system offers a low maintenance long lasting solution. The following points should be noted;

- Annual inspection would be a common-sense approach
- Check security of panels / flashings / sealants
- Check for leaf / debris build-up
- Check for mechanical / substance damage caused by external factors

Fixed Clip Zone In Relation To Roof Pitch

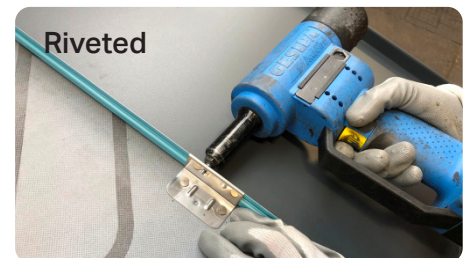
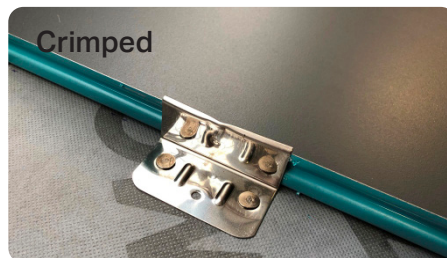


The fixed clip zone is approximately 1.5m and varies depending on the roof pitch as per the table above.

Normally five Snaplock® panel fixing clips are placed in this location and installed as fixed clips, using one of the three fixed clip options below. Further information on page 17.

Fixed Clips

Cut & fold , Crimped & Riveted Clip Examples



Weights

Snaplock® Weights (excluding underlay / fixings / substrate)

GreenCoat	386mm Seam Centre	Roofinox	386mm Seam Centre	Nordic Copper	386mm Seam Centre	Traditional Textures	386mm Seam Centre
0.6mm	6.01 kg / m ²	0.5mm	5.14 kg / m ²	0.6mm	7.02 kg / m ²	0.7mm	2.46 kg / m ²
				0.7mm	8.19 kg / m ²	0.8mm	2.81 kg / m ²
						1.0mm	3.51 kg / m ²
GreenCoat	425mm Seam Centre	Roofinox	425mm Seam Centre	Nordic Copper	425mm Seam Centre	Traditional Textures	425mm Seam Centre
0.6mm	5.45 kg / m ²	0.5mm	4.66 kg / m ²	0.6mm	6.37 kg / m ²	0.7mm	2.23 kg / m ²
				0.7mm	7.43 kg / m ²	0.8mm	2.55 kg / m ²
						1.0mm	3.19 kg / m ²

Available Gauges for Snaplock® Seam Panels

*Profile Height **Centres

For Building Height up to 8m

Product	Material	Availability	25mm* x 425mm**	38mm* x 386mm**
GreenCoat S280 Pural BT	Coated Steel	Stock	0.6mm	0.6mm
GreenCoat PLX Pural BT	Coated Steel	Stock	0.6mm	0.6mm
Roofinox	Stainless Steel	Stock	0.5mm	0.5mm
Nordic Copper	Copper	Stock	0.6mm	0.6mm
Traditional Textures	Aluminium	Stock	0.7mm	0.7mm

For Building Height up 8m to 20m

Product	Material	Availability	25mm* x 425mm**	38mm* x 386mm**
GreenCoat S280 Pural BT	Coated Steel	Stock	0.6mm	0.6mm
GreenCoat PLX Pural BT	Coated Steel	x	x	x
Roofinox	Stainless Steel	Stock	0.5mm	0.5mm
Nordic Copper	Copper	Stock	0.7mm	0.7mm
Traditional Textures	Aluminium	To Order / MOQ	0.8mm	0.8mm

For Building Height 20m+ (Seek advice from MSL)

Product	Material	Availability	25mm* x 425mm**	38mm* x 386mm**
GreenCoat S280 Pural BT	Coated Steel	Stock	0.6mm	0.6mm
GreenCoat PLX Pural BT	Coated Steel	x	x	x
Roofinox	Stainless Steel	x	x	x
Nordic Copper	Copper	x	x	x
Traditional Textures	Aluminium	To Order / MOQ	1.0mm	1.0mm