



QUATTRO 25mm NAILSTRIP

Steelformers Quattro 25mm Nailstrip is a popular choice for those who seek the look of architectural cladding without the more complicated installation. The profile has a thin rib and wide tray with a concealed perforated fixing strip along one side. There is no need for fixing clips or the additional operation of crimping, this ensures speed and ease of installation whilst still allowing for expansion and contraction in the sheets.

SCOPE OF USE

Suitable for residential, light commercial and commercial roofing and cladding applications.

AVAILABLE IN A RANGE OF MATERIALS

Available in 0.55mm (G300) BMT Colorsteel® Endura® and Maxx®, 0.75mm BMT Copper, 0.90mm BMT Mill Finish Aluminium and ColorCote® Alumigard™ (available on request, conditions apply).

SHEET LENGTHS

Sheet lengths are custom run to order. Sheet length restrictions may apply depending on project location.

PITCH

In accordance with E2/AS1, the minimum pitch is 3°

PANS AND SWAGES

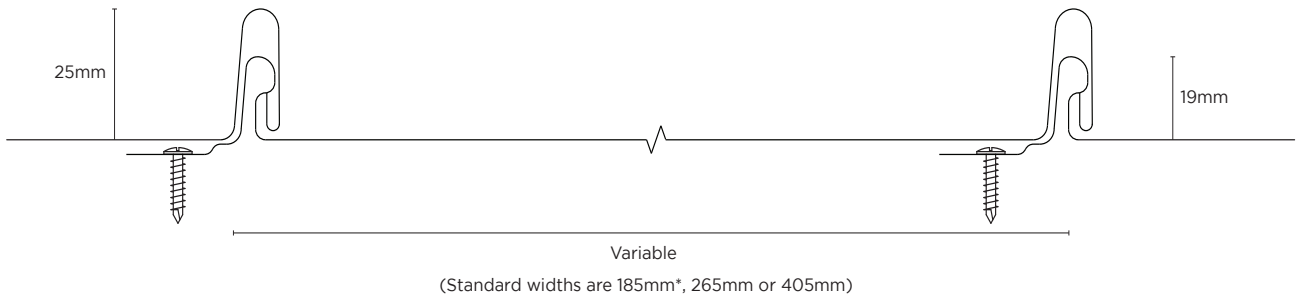
The standard pan widths (from rib to rib) are 185mm (wall cladding only), 265mm and 405mm. The pans are variable on request.

It is mandatory practice that the pans are run with swages. The swages are discreet and provide for extra rigidity and strength, as well as assisting in the reduction of oil canning. If the customer wants the pans run without swages, it will be at the discretion of Steelformers (on a case by case basis).

TECHNICAL SUPPORT

Contact a Steelformers representative at your local branch for detailed technical advice. A full range of flashing details are available for download on our website.

SPECIFICATIONS



*Dimensions are nominal

*Cladding only

ROOFING APPLICATIONS

Quattro 25mm Nailstrip roofing is installed over a solid plywood substrate with purlin supports.

The purlin supports are generally:

- 75 x 50mm or 100 x 50mm purlins on the flat, fixed in accordance with the New Zealand Building Code.

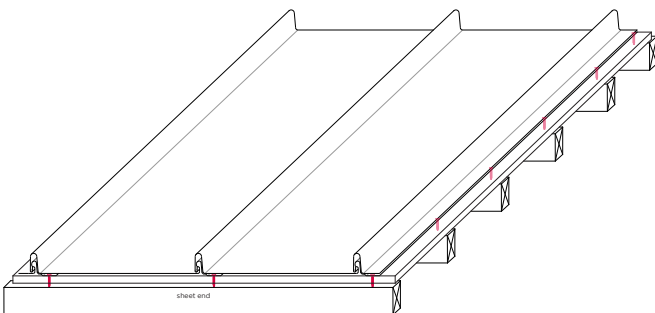
The required plywood substrate must be:

- A minimum 12mm thick plywood sheet, structurally fixed to the frame in accordance with the New Zealand Building Code
- Fixed with 8g x 40mm countersunk stainless steel screws at 150mm centres around each panel edge and 300mm centres on the intermediate supports. The fasteners should be no closer than 10mm to the edge
- H3.2 treated (using a water based system) and of Stress Grade F11, with a moisture content of 18% or less at the time of installation
- A 2-3mm expansion gap between sheets should be provided. All joints should be staggered, whilst ensuring all edges of the sheets are fully supported. This allows added air-flow between the underside of the tray and the substrate
- At the gutter line plywood should overhang the fascia board by 25mm

FIXING PATTERN

Maximum 450mm purlin centres with min. 12mm ply substrate

Fixed at 450mm centres with concealed screws or nails



In all wind zones, it is Steelformers standard practice that the clips are to be fixed to all ribs of all purlin lines (or nog/girt lines for wall applications).

WALL CLADDING

Quattro 25mm Nailstrip cladding is installed over a solid cavity system (make reference to E2 and the New Zealand Building Code for cavity requirements). In unlined areas, a cavity system is not required. Steelformers recommends nog spacing at 450mm centres in all wind zones, plus having a row of fixings along the line of the top and bottom of the cladding panel. Depending on the eaves construction, a row of nogs may be required at the eaves soffit line to fix into.

PANEL FIXING REQUIREMENTS

Steelform Quattro 25mm Nailstrip panels are connected by an interlocking groove, giving it an elegant appearance of a recessed joint. Nailstrip panels are laid and fixed directly to the timber along the perforated strip at 450mm centres with concealed screws or nails. The high rib is then placed over the low rib and snapped into place along the length of the panel.

The fasteners must be long enough to pass through the substrate or cavity batten and into the main frame by 30mm for timber and 6mm for steel. Ensure the fastener is fixed in the centre of the opening to allow for thermal expansion and contraction.

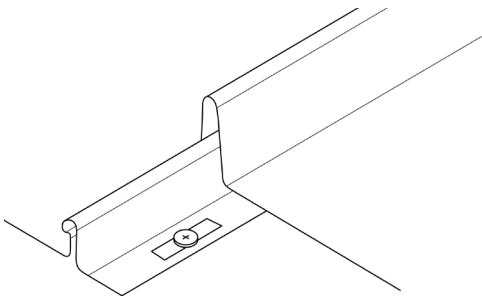
For timber, the fixings should be:

- Nails with an enhanced shank of 50mm long, or
- 10# x 25mm wafer head screws

For steel, the fixings should be:

- 10# x 16mm wafer head screws, or
- 12# hex head screws (where the profile provides clearance)

Fixing example:



The above is a guide only and reference should be made to the NZ MRM Code of Practice, E2/AS1, the New Zealand Building Code and all manufacturers technical information. In some cases (for example, SED wind zones) increased support spacing and fixing may be required.

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