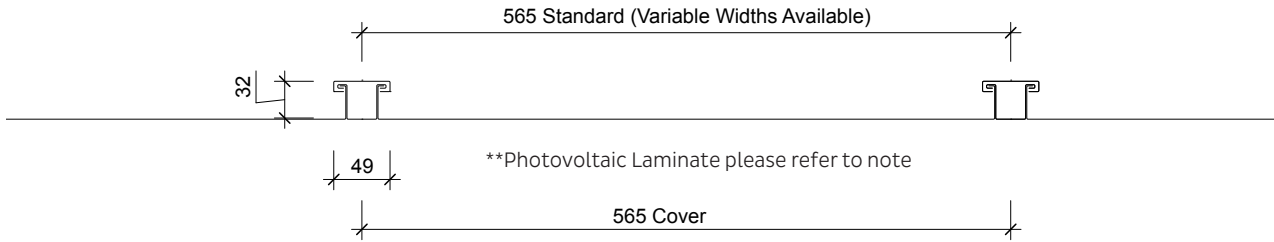


DIMOND EUROTRAY® ROLL SEAM PROFILE INFORMATION



| Roll-forming facility | AKL | CHC | INV |
|-----------------------|-------------------|-----|-----|
| Cover (mm) | 575 | 565 | 579 |
| Sheet width (mm) | 540 | 530 | 544 |
| Minimum Pitch | 5° (approx. 1:11) | | |

Note for Copper and Zinc reduce widths by 10mm

Sheet Tolerances

Sheet width: ± 5 mm

Sheet width for aluminium +0, -15mm. If sheet cover widths are critical, advise Dimond Roofing at time of order.

Sheet length: +10, - 0mm. For horizontal wall cladding where notified at time of order of intended use, tighter tolerances can be achieved +3, -0.

| Material Options | Steel | Aluminium | **Copper | **Zinc |
|---|-------|-----------|----------|--------|
| Thickness (BMT) mm | 0.55 | 0.70 | 0.70 | 0.70 |
| Nominal weight/lineal metre (kg/m) | 2.77 | 1.19 | 3.84 | 3.06 |
| Drape curved roof - min. radius (m) | 40 | 70 | 40 | 40 |
| Substrate required | Yes | Yes | Yes | Yes |
| Machine curved - roof min. radius (mm) | 2500 | 600 | 600 | 600 |
| Drip edge flashing required see detail R-005-02 | Yes | Yes | Yes | Yes |

**Please contact your Dimond Roofing 0800 Dimond (0800 346 663) for availability.

Roll-forming facilities at: Auckland, Christchurch and Invercargill

Curving facilities: Machine is transportable
For curving restraints check with the local roofingsmith.

Sheet lengths: Eurotray® is custom run to order. Where long sheets are used, consideration must be given to:

- Special transportation licences
- Should be run on-site
- Site access for special lifting equipment
- Fixing techniques to accommodate thermal expansion

THIS PRODUCT MUST BE INSTALLED BY A CERTIFIED & APPROVED ROOFINGSMITH

**NOTE

Photovoltaic laminates (PVL's) can be installed on to this profile at an additional cost when the cladding is completed and other trade have finished or it can be installed at a later date.

Laminates are 348mm wide and available in 5.910mm and 2.585mm lengths. Lead time of 16 weeks

Laminates cannot be installed on raking sections of roofs

Consult with Dimond Roofing 0800 Dimond (0800 346 663) for further information

Eurotray® Roll Seam Design

Eurotray® Roll Seam roof cladding must always be installed over a plywood (12mm minimum) substrate with a moisture content of less than 18% and made wind tight, with purlin supports underneath at 600mm centres in low to high wind zones and 400mm centres for very high and extra high wind zones. 8g x 40mm countersunk stainless steel screws at 150mm centres around the panel edged and 200mm centres on the intermediate supports. The fasteners should be no closer than 10mm to the edge.

A 3mm expansion gap should be provided between the sheets. All joints should be staggered and taped over before placing underlay, Dimond Roofing recommend the use of vented type underlay. This allows added air-flow between the underside of the tray and substrate, it also helps to reduce oil-canning in the tray.

Fasteners that are used to secure Eurotray® down as a roof cladding must penetrate through the substrate and into the purlin a minimum of 30mm for timber and 6mm for steel purlins. For wall cladding the fasteners must be long enough to pass through the substrate, cavity batten and into the main frame by 30mm for timber and 6mm for steel.

| Clip Fixing Requirement - 2 fixings per clip per purlin | | | | | | | | |
|---|--------------------------------------|--------------------------------------|---|--------------------------------------|---|--------------------------------------|--|--------------------------------------|
| Purlin or frame material | Roof (standard 12mm Substrate) | | | | Wall (over vented cavity batten, 18 - 25mm thick) | | | |
| | Base material | | | | Base material | | | |
| | Steel | Aluminium | Copper | Zinc | Steel | Aluminium | Copper | Zinc |
| Timber | Type 17 class 4 12 x 50mm timbertite | Type 17 class 4 12 x 50mm timbertite | Type 17 Stainless steel grade 304 12 x 50mm | Type 17 class 4 12 x 50mm timbertite | Type 17 class 4 12 x 65mm timbertite | Type 17 class 4 12 x 65mm timbertite | Stainless steel grade 304 class 4 12 x 65mm timbertite | Type 17 class 4 12 x 65mm timbertite |
| Steel | Class 4 12 x 25mm steeltite | Class 4 12 x 25mm steeltite | Class 4 12 x 25mm steeltite | Class 4 12 x 25mm steeltite | Class 4 12 x 45mm steeltite | Class 4 12 x 45mm steeltite | Stainless steel grade 304 class 4 12 x 45mm steeltite | Class 4 12 x 45mm steeltite |

Design

Fasteners must be fixed closer together on the periphery edges of all roofs in areas of High to Extra High Wind Zones. Unlike profiled metal cladding, the point load imposed on a fully supported cladding is supported by the substrate underneath.

| Clip fixing table | |
|-------------------------|--------------------|
| Wind Zone | Purlin Centre (mm) |
| Low to High | 600 |
| Very High to Extra High | 400 |

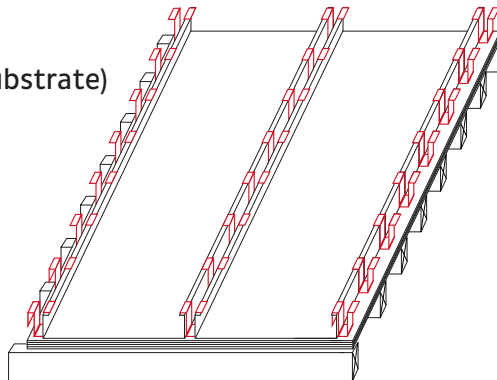
Minimum pitch for Eurotray® Double Standing Seam is 5 degrees.

NOTE

Flashing and jointing details when using Copper or Zinc materials are required to be solder, silicone sealants are not to be used on these materials.

Eurotray® Roll Seam (over substrate)

400mm purlin centres
Very high/Extra High Wind Zones



Eurotray® Roll Seam (over substrate)

600mm purlin centres
Low - High Wind Zones

