

PRODUCT DESCRIPTION

Evolving from the already popular and stylish Eurotray® family, Heritage Tray® markets itself as an elegant, economical and flexible roofing profile. Heritage Tray® can be a cost effective option when plywood substrate* is not required. Additionally, it can be roll-formed on site, an attractive logistics option for larger construction projects.

Photovoltaic laminates (PVL's) can be installed on to this profile at an additional cost when the cladding is completed and other trades have finished or PVL's can be installed at a later date (Laminates are 348mm wide and available in 5910mm and 2585mm lengths - Lead time for supply of laminates is 16 weeks).

*Plywood substrate is required for Extra High and Specific Engineering Design (SED) Wind Zones. Contact Dimond Roofing on 0800 ROOFSPEC for specific advice on product suitability for your location.

DESIGN GUIDELINES

Recommend use:

- Roof pitch is 3° and above
- Max purlin spacing does not exceed wind uplift load from the Heritage Tray® load span charts
- Specify coating on steel to match the environment
- Specify fixing type and length to be used with the correct purlin material
- Ensure there is an allowance for thermal expansion
- Can be used for wall cladding when install on top of a ventilated cavity batten
- Rainwater run-off over laminates is potable and safe to collect
- To be designed using the Dimond Heritage Tray CAD details.
These can be downloaded on-line at www.dimond.co.nz/products/heritage-tray#tab-drawings
- Vented underlay (Tyvek Metal or Dimond approved equivalent) laid full cover over purlins (or laid full cover over the face of cavity battens for walling) is required in all Wind Zones. In addition, Plywood substrate is required in Extra High and Specific Engineering Design (SED) Wind Zones. Contact Dimond Roofing on 0800 ROOFSPEC for specific advice on suitability for your location.

BUILDING CODE COMPLIANCE

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code for a period of 15 years:

- Clause B2 Durability B2.3.1
- Clause C3 Fire affecting areas beyond the fire source: Buildings C3.3
- Clause E2 External moisture E2.3.1, E2.3.2
- Clause F2 Hazardous building materials: Performance F2.3.1

Photo-Voltaic Laminate certification:

- UL 1703 cUL 1703
- IEC 61646 IEC 61701 (Salt Spray)
- IEC 61730 IEC 62716
 Australia CEC

Photovoltaic Laminates are sourced from a world leading supplier.

EVIDENCE MEETS NZBC

Test information available from Pacific Coilcoaters and New Zealand Steel, and past history of use of long run metal roofing and cladding products in New Zealand indicate that, provided the product use and maintenance is in line with guidelines contained in the current literature reference, Dimond® Roofing long run metal roofing and wall cladding systems can be expected to meet the performance criteria in clause B2, C3, E2 and F2 of the New Zealand Building Code, for a period of not less than 15 years.

SUPPORTING EVIDENCE

The product has and can make available the following additional evidence to support the above statements:



NZ Metal Roofing Manufacturers Association Inc. (NZMRM)
[Code of Practice](#)



ENVIRONMENTAL

Colorsteel® is factory painted at New Zealand Steel in Glenbrook, South Auckland. Manufactured from coated steel produced by New Zealand Steel at Glenbrook from Ironsand mined off North Island's West coast and Zinalume® alloy coated.

ColorCote® is painted at Pacific Coilcoaters in Penrose, Auckland. ColorCote® MagnaFlow™ base coated steel is imported from Asia, containing a Zinc/Aluminium/Magnesium (ZAM) alloy coating.

Both NZ sites operate within strict environmental controls and recycle cleaning and washing water and control that is exhausted into the environment.

Dimond® Roofing recycle all steel scrap waste and offcuts which can then be remelted down and reused in other steel based products.

At the end of its useful life as a roofing profile can be recycled back by remelted down.

Aluminium is imported from overseas and painted at New Zealand at Pacific Coilcoaters.

COATINGS & CLASSES

Manufactured using different paint coatings available from New Zealand Steel or Pacific Coilcoaters depending on the durability required for the environment the roof or wall will be installed in, in accordance with AS/NZS 2728. As a guide for areas 1m to 50m of breaking surf, use ColorCote® AlumiGard™ or plain unpainted aluminium. Sites within 50m to 100m of breaking surf Colorsteel® MAXX® can be used, then at 100 m (Category 4) ColorCote® MagnaFlow™ (ZM8) can be used, beyond 200m (Category 3) then ColorCote® ZinaCore™ (ZR8) or Colorsteel® ENDURA®, and beyond can use Zinalume®.

Refer to environmental literature available from Pacific Coilcoaters or New Zealand Steel or contact Dimond® Roofing on 0800 766 377.

SPANS

Product	Material	Thickness BMT (mm)	Roofing Span (mm) Low to Very High Wind Zones**	Walling Span (mm) Low to Very High Wind Zones**
Heritage Tray® (min. pitch 3°)	Steel (G300)	0.55	500	600
	Aluminium (H36)	0.90	500	600

Spans for roofing where the serviceability wind uplift load does not exceed 1.5kPa

Spans for walls are limited by serviceability wind uplift of 2.0kPa

Spans are given based on clips fastened to all ribs on all purlin lines (or girt/dwang lines for walls)

For more information, please refer to Dimond Roofing website www.dimond.co.nz

**For Extra High and SED Wind Zones contact Dimond Roofing on 0800 ROOFSPEC for specific advice on product suitability for your location

FIXINGS

Galvanised Clip Fixing Requirement 2 fixings per clip			
Purlin or frame material	Roof		Wall (over vented cavity batten, 18 - 25mm thick)
	Steel or Aluminium sheeting		Steel or Aluminium sheeting
	No Substrate	Plywood Substrate	
Timber	Class 4 Type 17 10g x 45mm #2 SQ. drive Wafer Head	Class 4 Type 17 10g x 65mm #2 SQ. drive Wafer Head	Class 4 Type 17 10g x 65mm #2 SQ. drive Wafer Head
Steel	Class 4 10g x 16mm #2 SQ. drive Wafer Head	Class 4 10g x 40mm #2 SQ. drive Wafer Head	Class 4 10g x 40mm #2 SQ. drive Wafer Head

If cavity batten and/or insulation is used over the purlins the screw length will need to be increased by at least the cavity batten and/or insulation thickness.

INSTALLATION REQUIREMENTS

Dimond Heritage Tray® Fastener Layout

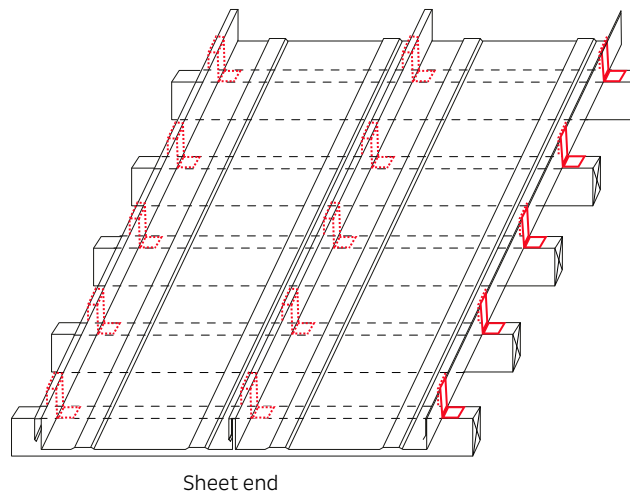
Low to Very High Wind Zones

Fix clips to all ribs of all purlin lines
Purlins at maximum 500mm centres

(For Extra High and SED Wind Zone contact Dimond Roofing on 0800 ROOFSPEC for specific advice on suitability for your location)

Wall Cladding

Fix clips to all ribs of all dwangs/girts.



For more information, please refer to Dimond® Roofing website www.dimond.co.nz

SPECIAL CONDITIONS

Manufactured in Invercargill and Auckland.

Heritage Tray is not suitable for use with with the Dimond Tricore® insulated roof system.