

Cu

Zn

Al

Fe

interlocking cladding systems

> column cladding

> introduction

Architectural Metalformers will custom-clad columns to suit the projects' specific requirements. We clad both boxed and circular type columns and posts.

Columns are clad with interlocking panels that are installed on site after being custom-made in our workshop. Absolute precision is required in order to achieve a clean tailored look.

Column cladding is generally considered a rainscreen so it is fitted to a 15mm min ply substrate that is fitted to the structure by the carpentry contractor. We generally use copper, zinc or aluminium for column claddings.

alternative solution

All products are considered alternative solutions under the current building code. Please consult Architectural Metalformers who will assist you with the relevant required technical information to successfully specify the product.

product overview

> Column cladding panels are formed to the exact measurements required and installed over a solid plywood base with a wall underlay. The cladding is available in:

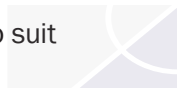
- > Horizontal or vertical joint
- > Standing seam with a 25mm seam
- > Flush hookseam style or negative detailed seams

Panels are fixed with a hidden clip system and/or innovative concealed fixings.

material Copper, zinc and aluminium

length To suit

width To suit



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thickness	Copper	0.5mm, 0.55mm, 0.6mm, 0.7mm			
	Zinc	0.6mm, 0.7mm, 0.9mm			
	Aluminium ARX	0.7mm, 0.9mm			
	Colorcote™ Zinalume™ ZRX	0.55mm	ZR8	0.55mm	
upstand height	normally a flatlock system				
substrate	15mm H3 plywood min				

> design considerations

When specifying Architectural Metalformers column cladding, consideration should be given to the following:

- > Material type
- > Horizontal or vertical format
- > Seam/joint preference
- > Wind loading
- > Environmental factors commercial, urban, rural or coastal

> availability

Copper coil for column cladding is usually a stock item.

Zinc, aluminium and Colorcote™ Zinalume™ are subject to supplier lead times. Please consult with Architectural Metalformers as early as possible in the design process, regarding your cladding requirements.

> flashing details

Robust flashing design, manufacture and installation are the key to a total waterproof solution. All these crucial steps are controlled and overseen in-house.

We use flashing methodologies that are well proven in Europe and the USA for hundreds of years and our flashings comply and often surpass E2 regulations.

> plywood substrate

All **smarttray™** 510 standing seam cladding requires a solid plywood substrate. We recommend a minimum of 15mm H3 plywood installed.

please refer to the installation category in the main menu for a thorough plywood installation specification.

For all torch on compatability requirements please refer to www.ecoply.co.nz

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> **underlay and fixings**

We install wall underlay between the plywood substrate and our column cladding profile.

> **thermal expansion and contraction**

To allow for thermal movement, our column cladding are fixed using a clip system or a hidden nail system.

This allows for expansion and contraction without the associated “oil canning” as seen in some claddings.

The following is the expansion rate of various metals over a 70°C temperature change for a 10m length of product.

Copper 11.9mm

Zinc 15.4mm

Aluminium 14.8mm



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column cladding - copper



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