ARCHIPANEL
ARCHITECTURAL PANEL SYSTEMS

FLAT LOCK PANEL

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Architectural Panel Systems Flat Lock Panel provides a simple, yet modern and elegant solution for Cladding & Facades creating a longitudinal flat seamed finish.
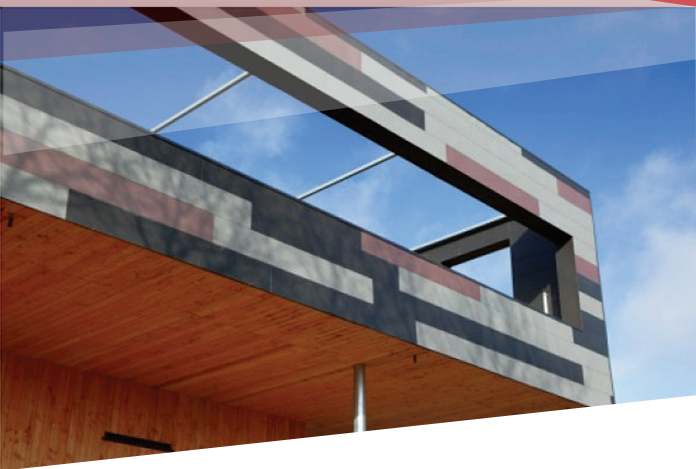
Flat Lock Panel is a traditional profile installed with Pre-Formed panels which are overlapped to create multiple, unique aesthetics.

This cladding technique creates a "Staggered, Bricked or Tiled" impression, giving it a real point of difference over other typical cladding systems.

Flat Lock Panel involves four interlocking folds on each of the panel's edges, concealing all fixings, to leave the building with a clean flat look.

Virtually unlimited design possibilities are achieved by the use of Flat Lock Panels due to the range of sizes, shapes & colours available.

Titanium Zinc

Titanium Zinc is developed for high quality architectural facades & metal roofing.

Titanium Zinc adds character and elegance to any building.

Titanium Zinc combines high grade zinc with a 99.95% degree of purity and alloying additives of copper and titanium.

Its potential lifespan can exceed 100 years and is suitable for use in coastal atmospheres exposed to salt water.

Titanium Zinc's self-healing patina makes the product extremely durable, corrosion resistant and low maintenance.

It is available in Mill, Graphite & a range of Pre-Weathered finishes.

Additionally, Titanium Zinc allows intricate detailing to be produced, making it eminently suitable for projects ranging from restoration to high-tech modern designs.

Aluminium

Aluminium is another multi-metal solution offered in the ArchiPanel range.

This material is unique compared to other Aluminium products as it is specifically designed for facades & metal roofing.

Aluminium provides the strength of steel at approximately 1/3 the weight, making it an ideal choice for large areas where weight may be a factor in the projects design.

Aluminium has a high quality surface with outstanding conformity of colour, suitable for severe climate zones and is resistant to UV light & chalking.

Aluminium is a cost effective option and is available in standard and marine grades while offering a wide variety of colours.

Copper

KME Copper is a natural, non-ferrous product, durable, versatile & attractive.

Through ageing, KME Copper attains its own distinctive characteristics, which complement commercial, industrial & residential projects alike.

KME Copper is ideally suited to facades and roofing applications and is available in Classic (mill finish), Oxide (brown finish), Copper Gold (gold finish) and Patina (weathered finish).

Copper has extremely long life expectancy and is maintenance free.

Stainless Steel

Stainless Steel's resistance to corrosion and its familiar lustre make it an ideal material for any application requiring facades or metal roofing.

The grade of Stainless Steel used by ArchiPanel is a premium state of the art, modern grade which has a different chemistry compared to standard grades of stainless steel.

The low carbon in this material makes it easier to cut, fold & bend than other grades, which provides cleaner edges and bends, resulting in flatter panels and a neater finish.

This different mix of metals provides a dull clean finish, which helps limit the brightness and reflection caused when installed on facades and metal roofing.

Colorbond, Ultra & Metallic Steel

Facades and metal roofing manufactured from Colorbond steel is the product of choice for Australian climates in residential, commercial & industrial applications.

Colorbond is a proven performer time and time again, as it is strong, durable and a cost effective option to suit a wide range of projects.

With an extensive range of colours available, including Colorbond Metallic, and Colorbond Ultra for severe coastal environments, Colorbond steel provides flexibility in specifying a colour and material finish to suit your specific project.

Product Information

Panel Tray Width
100mm – 375mm

Panel Length
Up to 3.0 Metres

Material Thickness

Titanium Zinc:	0.70mm – 0.80mm
Copper:	0.70mm – 0.80mm
Aluminium:	0.80mm
Cor-Ten Steel:	0.70mm
Stainless Steel:	0.70mm
Colorbond :	0.55mm

Uses
> Residential & Domestic Buildings
> Commercial & Industrial Buildings
> New and Replacement Facades for Residential, Retail, Education, Community, Government, Shopping Centres, Sports Stadiums, Hospitals, Apartments, Convention Centres, and Old or Heritage Building Refurbishments.

Installation & Application
Flat Lock Panel is suitable for cladding & facade applications only.

Flat Lock Panel is fixed using a simple interlocking system with all 4 sides of the panels returned to create a recessed joint with concealed fixings.

A 20mm continuous ventilation gap must be left clear beneath the plywood.

Flat Lock Panel is suitable for all buildings up to 30 Metres high due to wind factors.

Vertical & Horizontal installations are both acceptable with panels being installed from bottom to top for both applications.

ArchiPanel Flat Lock Panel is locally manufactured and installed only by ArchiPanel approved installers.

Contact ArchiPanel for a full and detailed Installation guide.

Please contact ArchiPanel for product samples, or visit our website.

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