

# Flatlock

- :: Ship-lap profile with maximum design flexibility
- :: Suitable for roof and wall cladding
- :: Multiple laying and folding patterns
- :: Concealed fixing with screws and clips
- :: Slim, decorative design

## Overview

Flatlock offers an aesthetic unlike any other sheet metal profile. The panels lock together, creating a flush, flexible and thin facade. Flatlock shares its profile design with the Shingle system, and is also available in Reversed Flatlock, when deeper express lines are sought.

## Product Specs

- :: Flexible panel sizes 140 mm to 540 mm
- :: Up to 4000 mm long panels (material dependant)
- :: Recessed Flatlock can be nominated for larger express joints (creating a similar look to Interlocking)
- :: Panels can be laid horizontally, vertically and diagonally, in an almost unlimited amount of pattern configurations.
- :: Custom curved systems available
- :: Concealed fixing with approved clips and counter sunk screws
- :: 15 mm construction grade substructure for wall cladding
- :: 17 mm construction grade substructure for roof cladding
- :: For fire rated/BAL applications, consult Metal Cladding Systems. A as fireproof substrate will be required.

## Materials

**Brands** | Aurubis | COLORBOND® | elZinc  
GALVABOND® | Rheinzink® | Vestis | VMZINC  
ZINCALUME® | zintek®

**Metals** | Aluminium | Brass | Copper  
Corten/Weathering Steel | Galvanised Steel  
Stainless Steel | Steel | Titanium Zinc

## Advantages

- :: Suitable for commercial and residential projects
- :: A 7 mm wall footprint makes the system ideal for projects with slim wall requirements.
- :: Standard panel widths of 240 mm, 340 mm and 540 mm (for all materials, excluding zinc)
- :: Standard zinc pan widths of 273 mm and 440 mm
- :: Can be used to create a weatherboard look, replacing high maintenance timber with low maintenance metal
- :: Minimal maintenance compared to other cladding materials, such as rendered brick and timber
- :: Hairline panel joins
- :: Simple, fast on-site installation
- :: No visible fixings
- :: Abundant flexibility of panel shapes and sizes allows for increased design freedom
- :: Highly decorative due to its many design options and fabrication flexibility
- :: Ability to splay and/or taper panels



## Installation

Metal Cladding Systems recommend all profiles be installed by a qualified and experienced cladding installer. All complimentary flashings and cappings are available from Metal Cladding Systems, via sister company, Bayside Flashing & Ventilations Pty Ltd.

All Flatlock and Recessed Flatlock applications must use a construction grade substrate. When working with zinc, on wall cladding applications a 20 mm continuous ventilation gap beneath the substrate, and a 40 mm gap on roof installations, must be allocated (note this is for zinc only). The substrate should be wrapped in a moisture proof membrane before cladding panels are laid. Approved countersunk screws should be used to fix Flatlock and Recessed Flatlock panels.

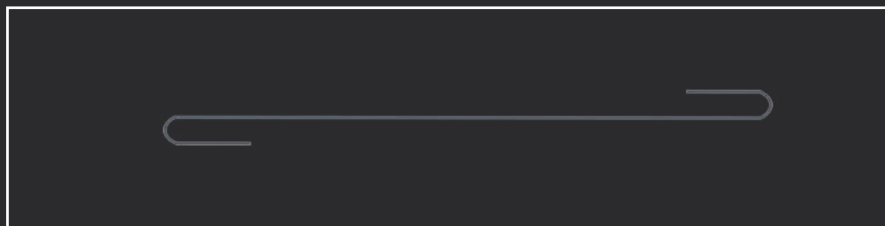
For detailed installation instructions and expert advice, please contact Metal Cladding Systems directly.

## Limitations

:: If installed as roof cladding, roof pitch must be a minimum of 25° for Flatlock and Recessed Flatlock.

:: Different materials allow for different panel widths and lengths. Speak with Metal Cladding Systems to confirm your material's capability and recommended pan widths for minimal wastage.

:: If you're thinking of using Flatlock in a non-standard application, confirm your design with Metal Cladding Systems, to ensure all elements are feasible.



NOT TO SCALE



**Metal Cladding Systems Pty Ltd.**

[www.metalcladdingsystems.com.au](http://www.metalcladdingsystems.com.au) / [info@metalcladdingsystems.com.au](mailto:info@metalcladdingsystems.com.au)

Phone 03 9587 4554 / Fax 03 9587 4559

45 Macbeth Street, Braeside, Victoria, 3195