

# Standing Seam

**Modern timeless cladding**

**Striking dynamic visual impact**

**Low maintenance and enduring**

**Ideal for high quality wall and roof cladding applications**

**Diverse selection of materials, finishes textures and colours**

**Compliant with stringent fire rating standards**



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# STANDING SEAM

MAC Standing Seam is one of the most versatile and popular cladding systems as it adapts well to complex designs and achieves clean, structured lines.

Standing Seam is a cladding system that is perfectly suited for application on both roofing and wall facades. This makes it an exceptionally effective, contemporary architectural cladding profile for building structures with complex designs.



**This classic modern profile offers a traditional aesthetic to avoid the industrial style of other cladding systems.**

Available in a range of pan widths and lengths of up to 8 metres, the Standing Seam panel cladding system will meet your building construction requirements. The longitudinal ribbed aspect combined with vast material options including COLORBOND® steel, Copper, Redcor®, Aluminium and Stainless Steel will create a truly unique finish for your building project.



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# Profile Details

**Standing Seam is flexible, adaptive and an exceptionally effective cladding option for building structures with basic or intricate designs.**

Standing Seam comprises a fully recessed pan with a raised/standing seam of either 25 mm or 38 mm in height.

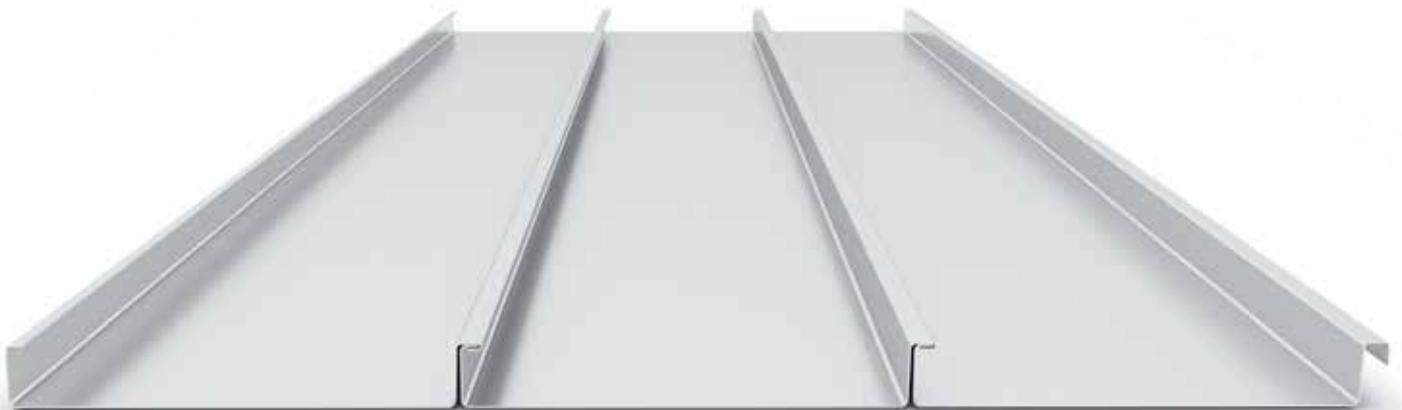
The overall effect of a structure clad with Standing Seam is a series of continuous flowing thick bands neatly framed by thin ribs. This profile can be installed vertically, horizontally or diagonally.

An advantage of Standing Seam is the variable pan width which can be adjusted to control spacing between windows and doorways. The ribs finish neatly along the frames or shut lines.

Standing Seam is manufactured to meet Australian Standards and building codes.



Standing Seam works by using concealed clips to secure the panel to the sub-structure which is then overlapped with an adjacent panel. These panels are then crimped together using specialised tools to create a strong sealed weather-tight join.



# Materials Range

MAC Standing Seam is manufactured from a vast selection of materials and finishes to achieve a truly stunning outcome for your project.



## Colorbond®

Colorbond® steel is a 100% Australian product that has been tested and developed to withstand the harsh and extreme Australian environment. MAC Standing Seam is available in the complete Colorbond® range which includes Contemporary; Classic; Ultra and Matt finishes to achieve your design vision.



## Copper

Copper has an attractive and unique finish. It is very durable and low maintenance with natural resistance to salt water corrosion making it ideal for coastal as well as traditional building applications. It is also 100% recyclable.



## Aluminium

Aluminium is an economical and corrosion resistant product which is malleable, lightweight and strong so it can be easily shaped to suit a range of different profiles. Aluminium is non-combustible and comes with excellent material warranty.

\* Aluminium Material Warranty from 15 to 40 years depending on specification.



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Take comfort in knowing that all materials sourced and used in MAC Standing Seam are non-combustible, fire tested, rated and certified.



### **Stainless Steel**

Stainless Steel is one of the most common materials used in today's construction. Wall cladding may be used both on the interior and exterior of buildings creating a striking architectural effect. There are a lot of reasons why Stainless Steel is the top choice of architects.



### **Redcor®**

Redcor® is a steel alloy developed to eliminate the need for painting and forms a stable, rust-like appearance.



# Product Data Sheet

## MAC Standing Seam Profile 25/38

<b>PROFILE</b>				
<b>RIB HEIGHT (H)</b>	25 mm or 38 mm			
<b>MAXIMUM LENGTH</b>	500 mm - 8000 mm [Restrictions may apply]			
<b>PAN WIDTH (P) 25 mm</b>	180 mm – 530 mm			
<b>PAN WIDTH (P) 38 mm</b>	180 mm – 505 mm			
<b>STANDARD PANELS</b>	<b>RIB HEIGHT</b>	25 mm		38 mm
	<b>PAN WIDTH</b>	230 mm	330 mm	205 mm    305 mm
<b>PANEL TYPE</b>				
<b>PANEL TOLERANCE</b>	Plus or minus 3 mm			
<b>MATERIAL</b>	<b>Material Thickness</b>	<b>Weight m<sup>2</sup></b>	<b>Material Warranty</b>	<b>Flammability</b>
Colorbond® Range	0.55 mm	4.9 kg	15 years	Non-combustible
Aluminium	0.70 mm	2.23 kg	15-40 years	Non-combustible
Copper	0.7 mm	5.5 kg	30 years	Non-combustible
Redcor®	0.7 mm	7.2 kg	10 years	Non-combustible
Please contact Metroll for further information on material warranty specifications				
<b>LAYING DIRECTION</b>	Vertical, Horizontal & Diagonal			
<b>SUB-STRUCTURE DETAILS</b>	Roofing	<ul style="list-style-type: none"> <li>19mm CD grade structural plywood AS/NZS 2269.</li> <li>Timber battens 90 x 45 mm / 70 x 45 mm.</li> <li>Use recommended ProctorWrap roofing grade fully breathable/water proof membrane between Standing Seam and substrate to create separation barrier to avoid condensation and stainless clip dissimilar metal contact.</li> <li>Minimum roof pitch 3 degrees (38 mm recommended).</li> <li>25 mm rib used on roof pitch under 15 degrees will require double lock seam.</li> </ul>		
	Wall Cladding	<ul style="list-style-type: none"> <li>15 mm CD grade structural plywood AS/NZS 2269.</li> <li>Timber battens 90 x 45 mm / 70 x 45 mm.</li> <li>Use recommended ProctorWrap commercial wall grade fully breathable/water proof membrane between Standing Seam and substrate to create separation barrier to avoid condensation and stainless clip dissimilar metal contact.</li> </ul>		
<b>SUPPORT SPACING</b>	<ul style="list-style-type: none"> <li>Fixed clips every 350 mm centres (Perimeter of area).</li> <li>Sliding clips every 450 mm centres (General area).</li> <li>Minimum of 25 mm fastener embed in CD grade structural plywood.</li> <li>Fixed clips only to be used in roofing/walling application on approved metal battens with a minimum 3 thread embed.</li> </ul>			
<b>FIXING METHOD</b>	<ul style="list-style-type: none"> <li>Standing Seam Fixed Stainless Steel Clip - 2 fasteners per clip</li> <li>Standing Seam Sliding Stainless Steel Clip - 3 fasteners per clip</li> </ul>			
<b>FASTENERS</b>	Fixed Clip: 10mm x 16mm Flat Head Class 3 / Sliding Clip: 10mm x 25mm Flat Head Class 3			



**Note:**

- Dimensions are subject to manufacturing tolerances.
- Specifications are general and should be used as a guide only.
- Please check with local building codes for specification requirements.
- Installation of product is the sole responsibility of the specified site installer to ensure they meet Australian Building Code and site specific requirements.
- Individual material warranties warranted by supplier.

# Installation Guide

Installation of the MAC Standing Seam panel cladding system requires skill and attention to detail.

The MAC Standing Seam cladding system allows the flexibility to custom design panels to suit the required application for a superior finish. This includes panel designs to satisfy internal and external corners, windows, doors or unique designs to your specification.



- 1 Ridge Capping
- 2 External Corner
- 3 Internal Corner
- 4 Clips
- 5 Foot Mould Flashing
- 6 Header Flashing
- 7 Starter Panel
- 8 Window Panel



## 1 Ridge Capping

Ridge Capping is used where the two sheets of Standing Seam meet on a roof. It is designed to make the roof waterproof.

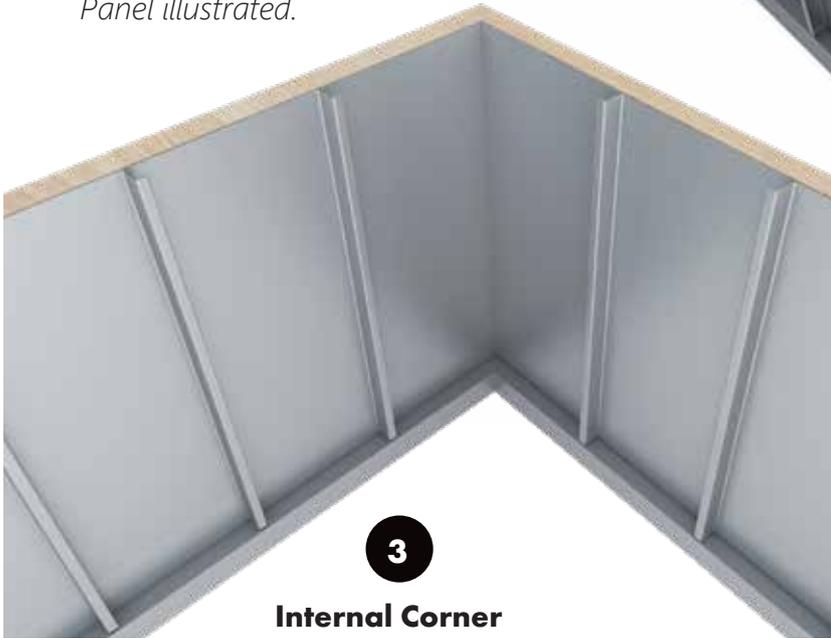
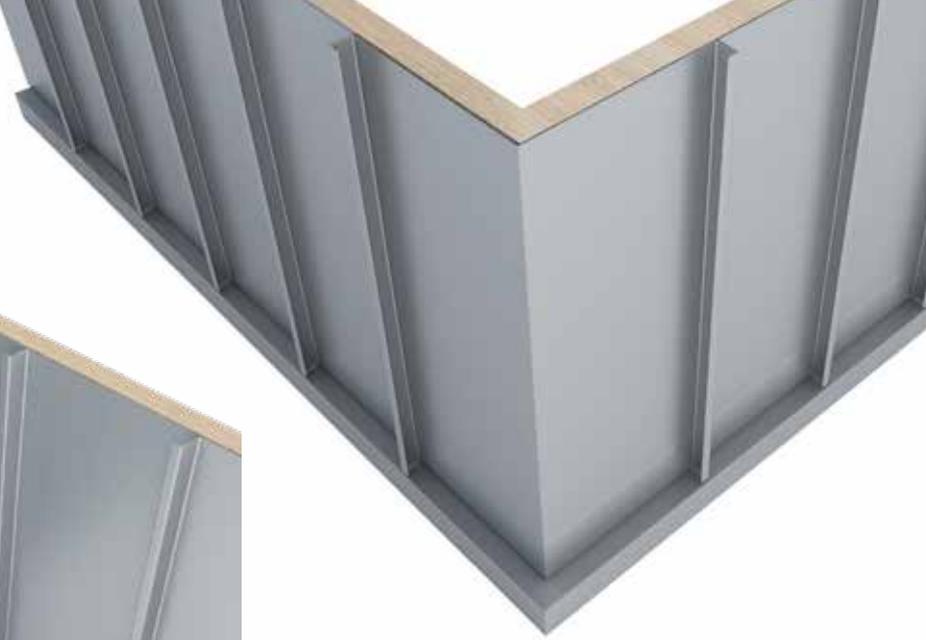
*Standard Ridge Capping illustrated.*



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## 2 External Corner

External corners are used for a clean finish rather than using flashing. *Standard Double Male External Panel illustrated.*



3

## Internal Corner

Internal corners are required to create a clean finish and make watertight. *Standard Double Male Internal Panel illustrated.*

4

## Clips

Clips are fitted every 350 mm to secure Standing Seam panels. *Single Fixed Clip illustrated.*



5

## Foot Mould Flashing

Foot mould flashings are required at the bottom of the cladding panels to create a clean look.

*Standard Foot Mould illustrated.*



6

## Header Flashing

Header flashings are used at the top of the cladding panels for a neat watertight finish.

*Typical Custom Profile illustrated.*



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## 7 Starter Panel

Starter panels are usually installed at the middle of a window. Adjacent panels are laid left and right for clean even spacing.

*Double Female Starter Panel illustrated.*

## 8 Window Flashing

Window flashings can be designed and installed using several methods.

*Custom Design illustrated.*



### Snap Lock Installation Process



Standing Seam profile.



Clip hooks are fixed to the underlap of the male edge and fastened to the substrate prior to joining the adjacent female edge.



Gap at panel permits lateral thermal expansion.



Finished single lock Standing Seam join.



Finished double lock Standing Seam join.



# Frequently Asked Questions

Answers to some of the most frequently asked questions.  
Please do not hesitate to contact us if you have further queries.

## **What is the difference between Standing Seam, Snap Lock and Nail Strip?**

The Standing Seam system incorporates panels that lap each other which are then sealed with a specialised tool. The flexibility of the system is hard to beat and has a superior facade look. Snap Lock provides a similar aesthetic to Standing Seam. The Snap Lock profile does not require seam closing tools as the profile is designed to clip together. Nail Strip is installed with screw fixings. Each strip is snapped over the adjoining panel securing it in place and concealing the screw fixing. Installation is simple and quick with no need for seam closing tools.

## **Are special tools required to install Standing Seam?**

Yes, there is a unique seaming tool that is needed which is readily available from Metroll.

## **How do I maintain my cladding (dependant on material)?**

Usually clean water is sufficient with a soft bristle brush. For more stubborn stains, a mild detergent can be used. Never use solvent based cleaners. Maintaining your cladding every 6 months is recommended, more often in coastal and industrial areas.

## **Can I purchase flashings and accessories from Metroll?**

Yes, you can. Metroll custom make all flashings to a maximum length of 8 meters. We also manufacture cladding, roofing, rainwater goods, battens and stock a range of accessories.

## **What if I have a specific colour that is not part of the standard range?**

We have the most popular colours in stock at all times. However, if you require a unique colour, Metroll provides custom colour finish services. Please contact Metroll to discuss further.

## **Does Metroll only supply or can they supply and install?**

Metroll manufacture to order only. However, we do have a wide range of certified installers we can recommend.

## **Is MAC Standing Seam fire resistant?**

Yes. MAC Standing Seam has been fire tested and complies with the Australian Standard codes of practice.

## **Where can I view the cladding products and material range?**

Visit us at:  
70 - 72 Rundle Road, Salisbury South, SA 5106.  
We are open from 7.30am to 5pm Monday to Friday.

**Please contact us on 08 8282 3300  
if you have any further questions.**



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# Accessories

A range of components is available required for the installation of the MAC Standing Seam panel cladding system.

## ProctorWrap™

Enviroseal™ ProctorWrap™ CW/ HTR is a triple layer polyolefin non-woven textile wrap that is highly vapour permeable allowing moisture to escape from inside the building while also acting as a barrier preventing liquid entering from the outside. Wrapping in Enviroseal™ ProctorWrap™ CW/ HTR helps minimise the risk of condensation and mould growth while improving the energy efficiency of the building.

	Lightweight Clad (Direct Fix)	
	Insulation	
	<b>R2.5</b>	
	Summer	Winter
	<b>R2.6</b>	<b>R2.6</b>

	Lightweight Clad (Battened)	
	Insulation	
	<b>R2.5</b>	
	Summer	Winter
	<b>R2.7</b>	<b>R2.7</b>

PRODUCT	WIDTH	LENGTH	COVERAGE	WEIGHT*
Enviroseal™ ProctorWrap™ CW	1500 mm	50m	75m <sup>2</sup>	7.9 kg
Enviroseal™ ProctorWrap™ HTR	1500 mm	50m	75m <sup>2</sup>	18 kg

\* Weight per roll

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## Clips

All Standing Seam clips are made from Stainless Steel.

CLIP TYPE	CLIP SPACING
25 mm Fixed	350 mm
25 mm Sliding	350 mm
38 mm Fixed	350 mm
38 mm Sliding	350 mm



## Fasteners

Metroll stock a range of Bremick fasteners to assist with your cladding installation.

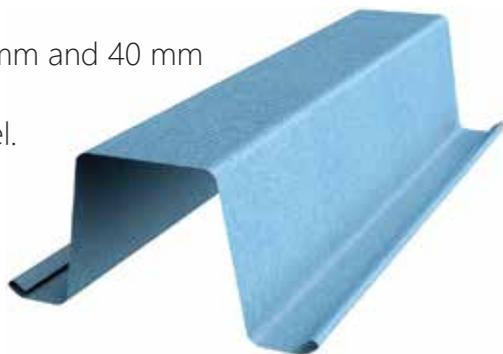
Supalow Head Screw  
10 mm x 16 mm  
10 mm x 25 mm



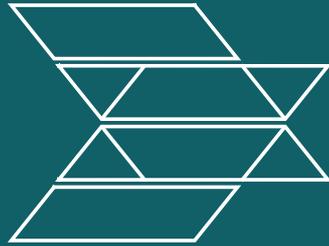
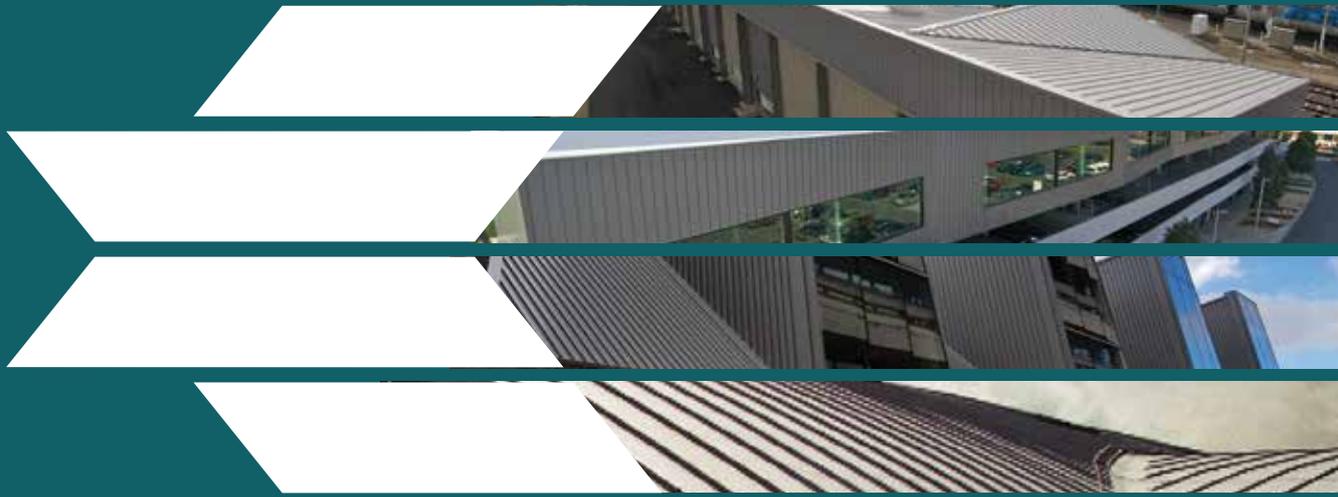
## Battens

Battens are available in 22 mm and 40 mm heights manufactured from Truecore® High Tensile Steel. Standard lengths come in 6.1 metres.

**Truecore®**



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Nail Strip  
Standing Seam  
Snap Lock  
Interlocking Panel

### ALSO AVAILABLE FROM METROLL:

**Roofing & Cladding**  
**Roofing Accessories**  
**Rainwater Goods**  
**Colorbond® Steel Fencing**  
**Top Hats, Battens & Stud Frames**  
**Insulated Panels**  
**Purlins & Structural**

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