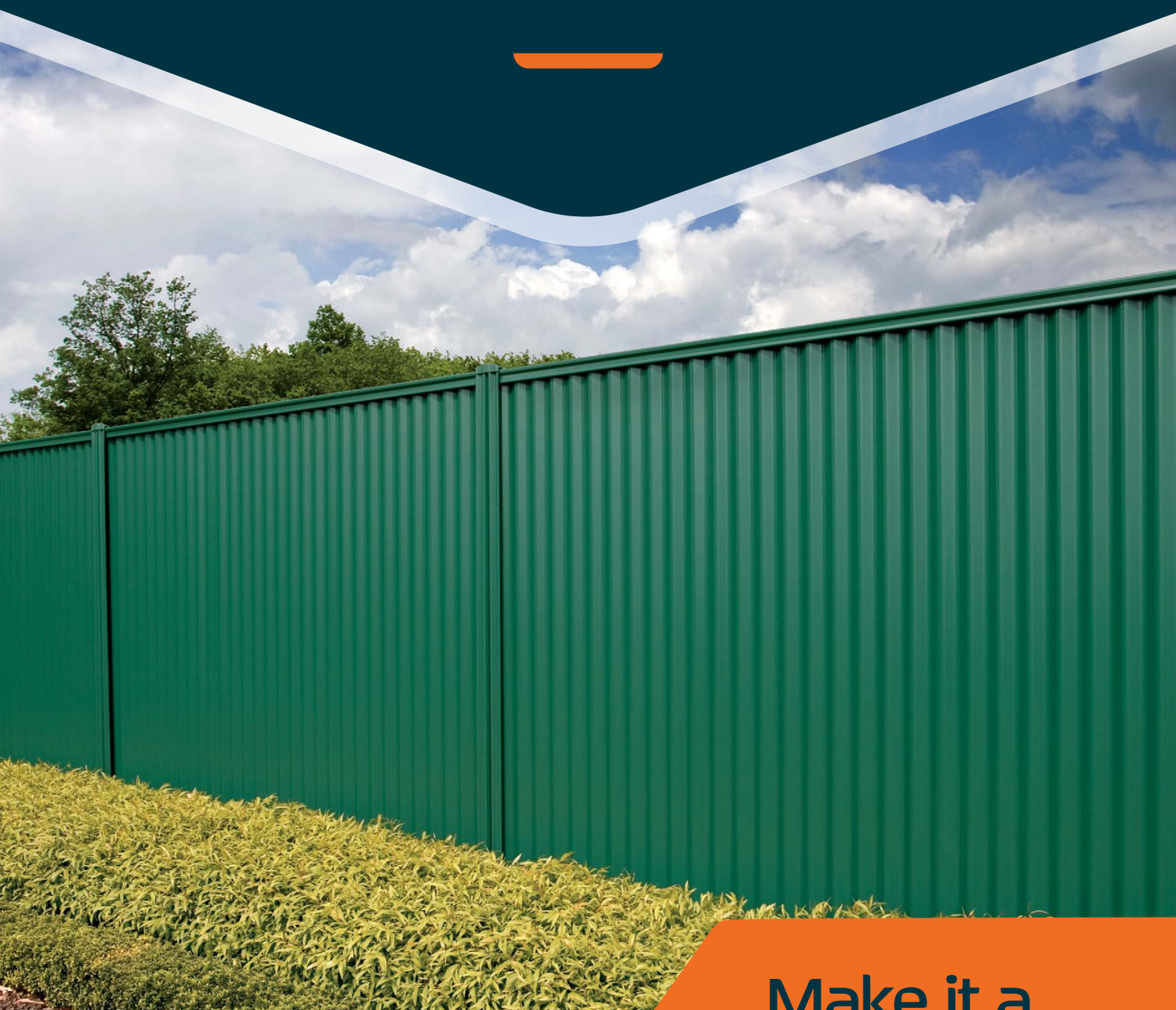


**MATRIX**  
STEEL

# Panel Fencing

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[matrixsteel.au](http://matrixsteel.au)

Make it a  
MATRIX.



# Panel Fencing

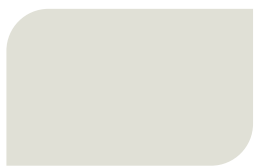
Welcome to Matrix Steel's range of fencing.

With a range of profiles, finishing options and accessories you can be assured of installing the fence to suit your needs and location.

We are a 100% COLORBOND® supplier, for peace of mind of warranties. All locally made. Your choice of purchasing sheets or in panel form.

## AVAILABLE IN THESE COLOURS

### Colorbond® Colours: Classic



Surfmist®



Evening Haze®



Domain®



Paperbark®



Dune®



Riversand®



Shale Grey®



Bluegum®



Pale Eucalypt®



Wilderness®



Wollemi®



Woodland Grey®



Basalt®



Ironstone®



Monument®



## Corrugated-762

The 16mm corrugated profile is as old as it is versatile. Used for roofing, walling and fencing, come to Matrix Steel for the best service and advice in the fencing business.

Double sided corrugated is also available in panel form for easy installation (and good neighbour relations!).

We manufacture locally which means better prices and availability for all your needs, big or small.



## Sawtooth™

This stylish profile has been a favourite for many years. The sawtooth shape gives your fence a depth of colour due to the unique angle that's not only looks good but is also durable.

With Matrix Steel, you've got the opportunity of using this in panel form, available in double sided COLORBOND® colours.



## MATClad-762™

Our MatClad-762™ profile has proven very popular for those wanting an alternative from the traditional corrugated.

The shape of the profile assists with water drainage and won't give your retaining wall any grief.

As always with Matrix Steel, we make this available in a number of COLORBOND® colours, so you can complete the overall aesthetic for your house, property or even commercial property.

MatClad-762™ is available in sheet or panel form, just ask us.



# Installation Guide

## Matrix Steel Gate Kit – a step by step guide to installation

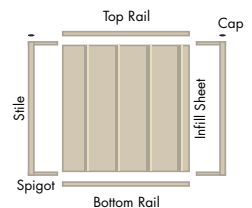
**NOTE:** Before assembling the gate, you must dig the holes for the posts. Allow the following dimensions for the distance between the post centres.

**SINGLE GATES:** Total width of gate (edge to edge of gate posts) + 20mm.

**DOUBLE GATES:** Total width of gate (edge to edge of outside gate posts) + 30mm. For clay or firm earth you should allow a 600mm deep hole, for sand or loose fill, allow a 900mm deep hole.

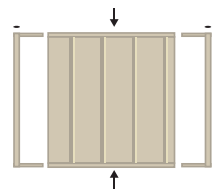
### STEP 1

Place the posts (stiles with spigots), rails, infill sheets and caps onto the ground, ensuring that they are protected underneath so that the COLORBOND® finish is not damaged. If you are installing a double gate kit, ensure that the infill sheets are overlapped on one rib only.



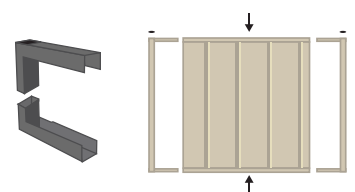
### STEP 2

Place the top rail (no drain holes) over the top of the infill sheet/s gently to avoid any scratching to the COLORBOND® finish. Now place the bottom rails (with drain holes) over the bottom of the infill sheet/s.



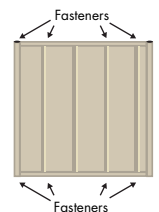
### STEP 3

Place the caps on the top of each of the posts (stiles with spigots). Now slide the spigots which are fixed to the posts (stiles), into the top and bottom rails.



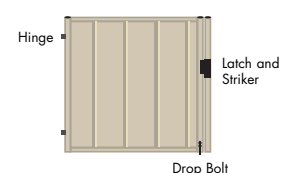
### STEP 4

Ensure that the posts are held firmly into place and then fix the fasteners provided. A fastener must be placed through the top rail and spigot and into the first and second rib of the infill sheets from each end of the sheeting. This must be repeated on the bottom rails.



### STEP 5

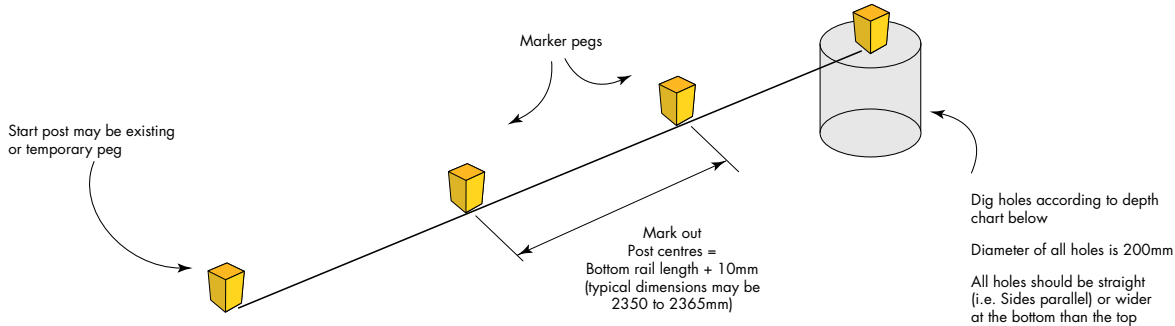
Now you can fit the hinges, drop bolt and latch with striker. The latch and striker are to be fitted as per the instructions provided within packaging. **NOTE:** Remove all of the drill shavings (swarf) from the gate and rails, as it will cause the material to rust if it is not removed. To clean down the gate, use household washing detergent and a soft cloth.



# Matrix Steel Panel Fencing – a step by step guide to installation

Matrix Steel Panel Fencing is the ideal boundary fence to compliment and secure your property. Our Panel fence comes in 2 different heights, 1.5 or 1.8 metres, and 3 different profiles. Both sides of the fence have full colour, posts, rails and sheets made from COLORBOND® Steel that is strong and will stand up to the harshest conditions. Note: Mini Corrugated only have colour on 1 side. Non standard heights are available.

## STEP 1 - MARKING OUT YOUR POST HOLES



**Important** - Post lengths required will increase accordingly to cater for these ground conditions

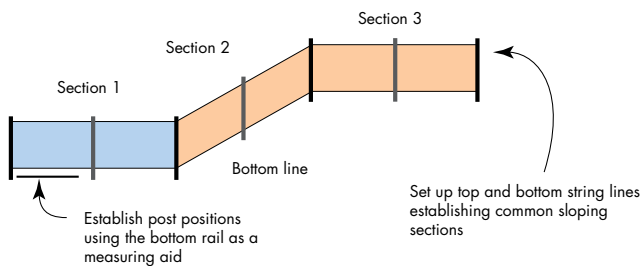
Soil Type	Minimum Hole Depth	Approximate Concrete Required
Rock	300mm	1 Bag per hole (20kg bag)
Clay/Firm Earth	600mm	2 Bags per hole (20kg bags)
Sand/Loose Fill	900mm	3 Bags per hole (20kg bags)

## Sloping or uneven sites

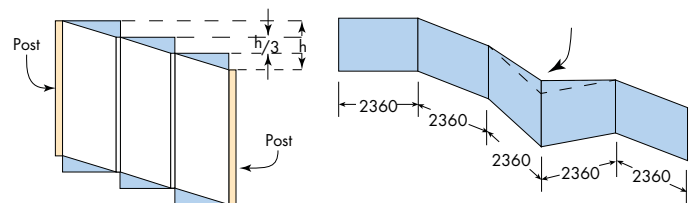
### Additional Information

It's highly recommended that you invest a small amount of extra effort to rake your fence on sloping or uneven ground rather than stepping the panels. It achieves a better overall appearance as well as providing a stronger fence.

### A. Marking Out Sloping Sites

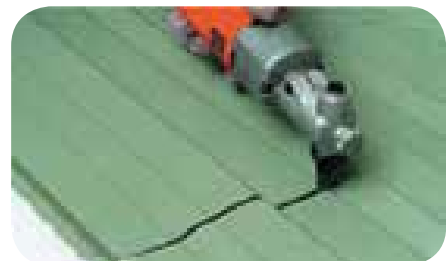


### B. Cutting Of Sheets For A Raked Fence



## Uneven Sites

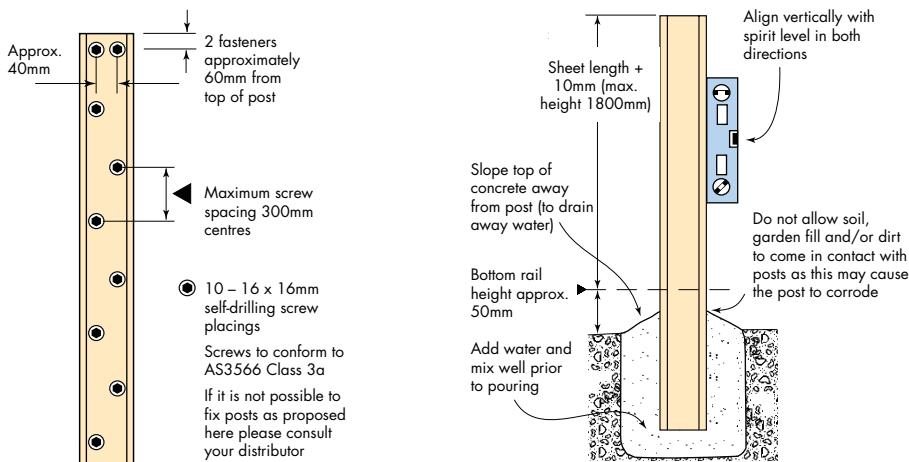
Vertical slitting of sheets may be required if slope is greater than 1 in 8. This may reduce the three sheet coverage to a point where one of the sheets may require vertical slitting. On COLORBOND® steel and ZINCALUME® steel this can be achieved using a straight edge and scoring with a tungsten tipped hand cutter available at most hardware stores, then bending and snapping the sheet. The top rail angles can be adjusted to create a smoother angle if desired. Note that the post height required will increase, so allow for this when fixing the posts in the ground.



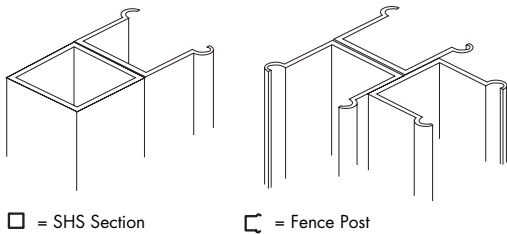
The preferred method of cutting sheets is to use a nibble or tin snips.

## STEP 2 - SECURING POSTS

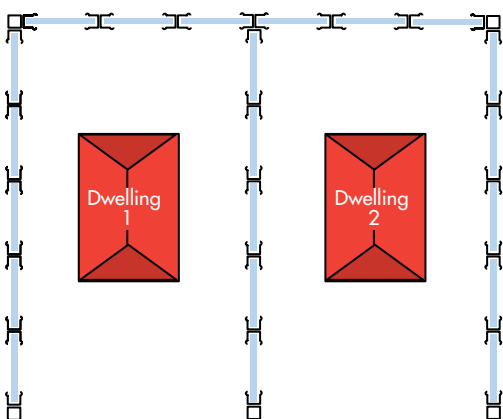
Place first post in hole. Adjust to correct height. Support post with temporary brace. Fill hole with fully mixed, wet concrete. Vibrate and compact the concrete to remove voids.



## End Posts, Corner Posts and Junctions

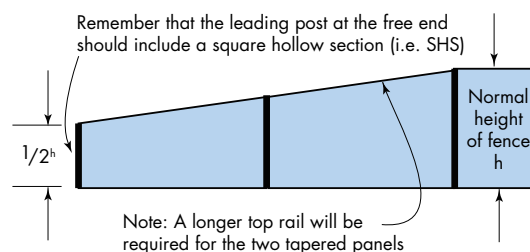


Dimensions of the SHS section and fence posts will vary according to the fence supplies. Contact your distributor for details.

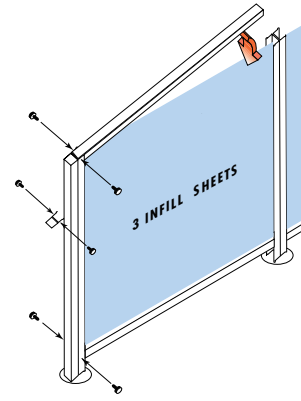
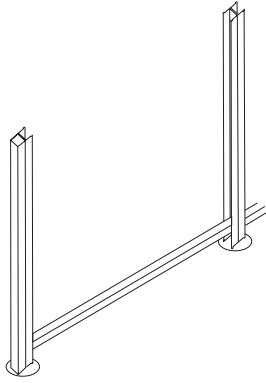


## Tapering the Front of Your Fence

It is highly recommended that you taper the last two panels of your fence at an unsupported end, particularly where your fence extends beyond the front of your house. Cut sheets as per the instructions in the 'sloping or uneven sites' section. The minimal extra effort in tapering the unsupported end will provide a better looking fence than a stepped fence and is much stronger than leaving it at full height.



Example for 2365mm post centres		
Fence height	Tapered end height	Top rail length if tapered per two panels
1500mm	750mm	2385mm
1800mm	900mm	2400mm



- Insert bottom rail between posts to determine exact locations of next post
- Adjust bottom rail to correct height - it is important to maintain a minimum gap of 50mm between bottom of rail and ground
- Screw fix the rails at this stage
- Place top rail into post and fix with self drilling screws on both sides of posts. Ensure that the self drilling screws are not fully tightened, as they need to be removed when inserting sheets. Ensure the position of the top rail is protruding 2mm above the top of the posts to reduce the risk of injury
- Continue this procedure until fence length is achieved
- Allow the concrete to cure overnight.  
**Note:** Longer curing period may be required in very cold and/or wet weather
- Unscrew top rail and remove
- Fit infill sheets into bottom rail ensuring correct lap as per diagrams below
- Place top rail on infill sheets working from one end to the other, locating the profile in the rail. A gentle tap with a rubber mallet may help
- Secure the top rail with self drilling screws on both sides
- Hose down with good water pressure when finished to remove any swarf such as drill filings or remnants from the nibbling process and
- Check installation

## MAINTENANCE AND WARRANTY OF YOUR FENCE

1. To keep your fence looking its best, simply hose your fence down periodically with water when washing the car or watering the garden. A soft broom should be sufficient to remove any cobwebs. Pay particular attention to the area under the top rail, which is sheltered from natural washing by rain.
2. Do not build up soil, garden fill and/or dirt against the bottom rails and posts of your fence as this will retain water and lead to corrosion. Do not use your fence as a retaining wall, as it is not designed for this purpose.
3. Avoid spraying the fence with garden sprays or fertilisers as these can damage the surface. If this occurs wash the fence down with water. Adequate drainage is needed to ensure that water does not pond in the bottom rail and to assist in the removal of debris. This is often achieved by pre-punched holes in the bottom rail, or by designing the posts such that there is a clearance between the ends of the bottom rail and the posts.
4. Do not use touch up paint. Minor scratches should be left alone or the infill sheet replaced. Touch up paint will weather differently than COLORBOND® steel.
5. Fencing is backed by a 10 year warranty under the following conditions:
  - Installation > 1km from Marine or Industrial environment
  - Fence is installed to Manufacturer's guidelines
  - Fence is maintained regularly in accordance with Bluescope Steel guidelines.

# MATRIX STEEL

Ph. 1300 GO MATRIX (1300 466 287)  
[matrixsteel.au](http://matrixsteel.au)

## GLADSTONE

94 Hanson Road,  
Gladstone

## BUNDABERG

73 Princess Street,  
Bundaberg

## GYMPIE

3/23 Pinewood Ave,  
Gympie

## HERVEY BAY

1/83 Beach Road,  
Hervey Bay

## SUNSHINE COAST

17 Fishermans Road,  
Maroochydore

## BRISBANE

1 Robart Court,  
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## LISMORE

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