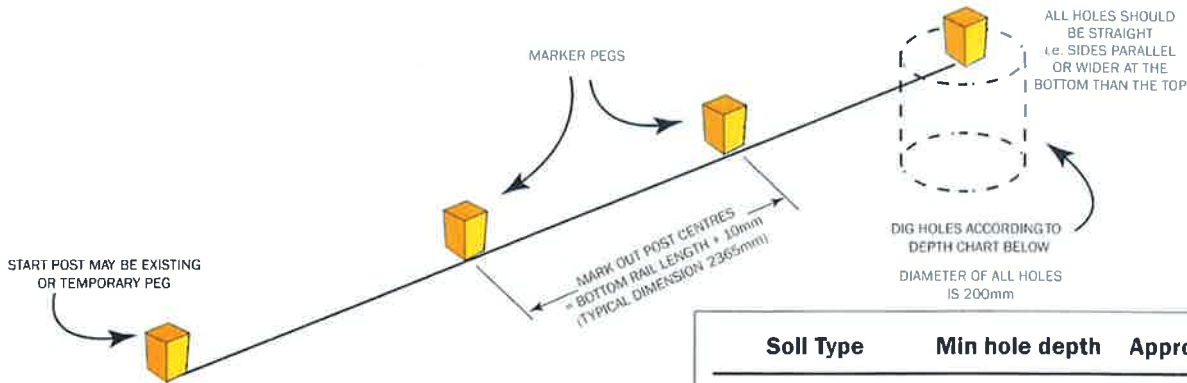




# First in Fencing Colorbond

## Installation guide

### STEP 1 MARKING OUT YOUR POST HOLES



Soil Type	Min hole depth	Approx Concrete Required
Rock	300mm	1 x 20kg bag per hole
Clay/Firm Earth	600mm	2 x 20kg bags per hole
Sand/Loose Fill	900mm	3 x 20kg bags per hole

Post lengths will increase accordingly to cater for these ground conditions.

### SLOPING OR UNEVEN SITES

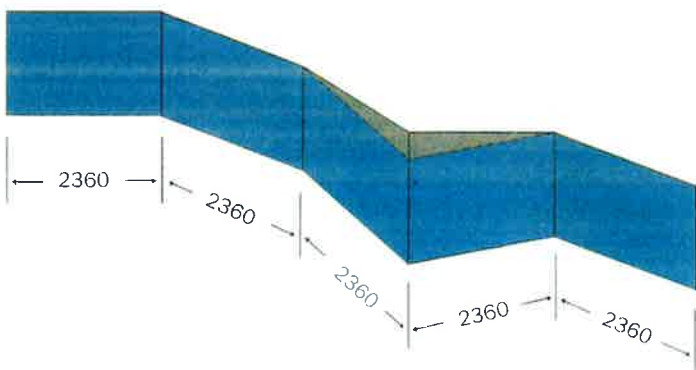
It's highly recommended that you invest a small amount of extra effort to rake your fence on sloping or uneven ground rather than stepping the panels. It achieves a better overall appearance as well as providing a stronger fence.

### UNEVEN SITES

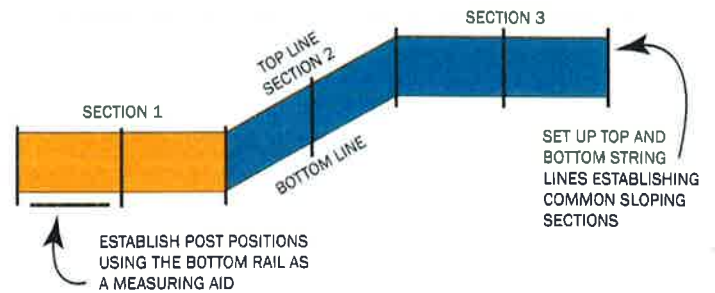
Vertical slitting of sheets may be required if the slope is greater than 1 in 8. This may reduce the three sheet coverage to a point where one of the sheets may require vertical slitting. On BHP COLORBOND® pre-painted steel and ZINCALUME® steel, this can be achieved using a straight edge and scoring 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 posts to the ground (see below).

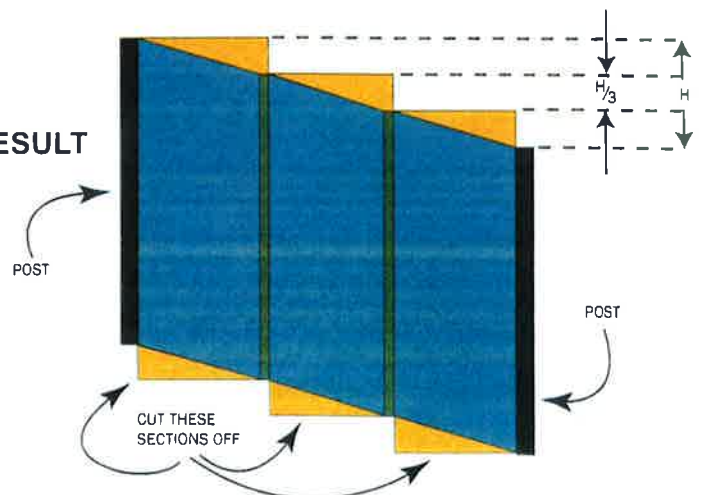
### ADJUST TOP RAIL ANGLES FOR A SMOOTHER RESULT



### MARKING OUT SLOPING SITES



### CUTTING OF SHEETS FOR A RAKED FENCE



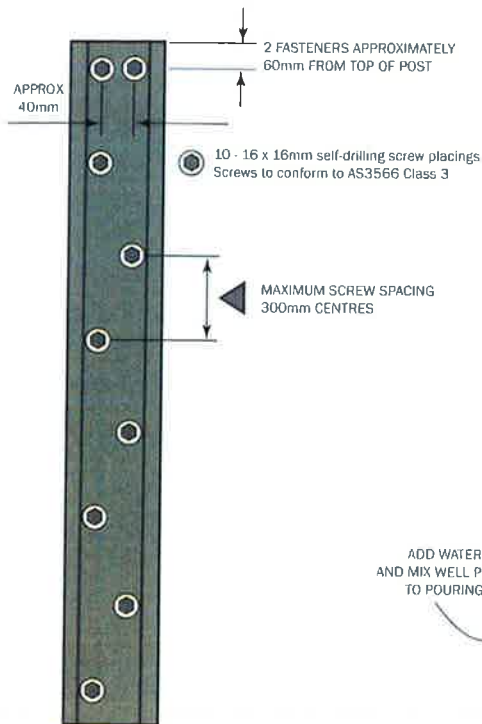
The preferred method of cutting sheets is with a nibbler or tin snips.



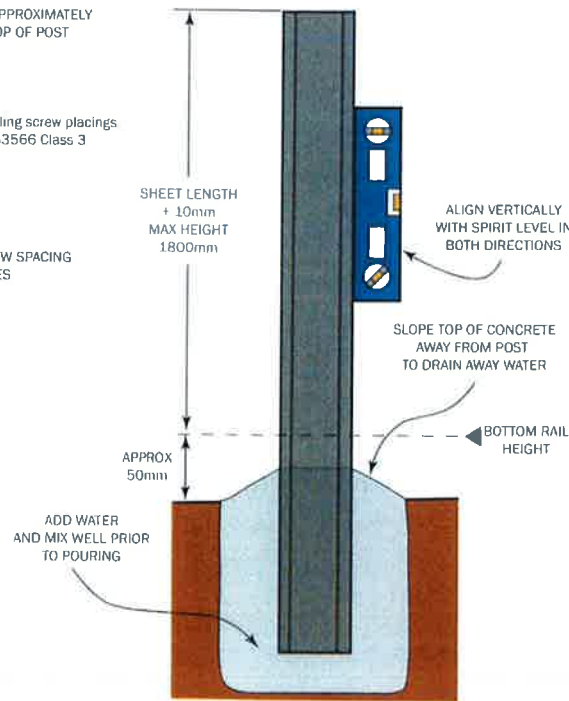
## Installation guide

### STEP 2 SECURING POSTS

#### A) FASTENING POSTS TOGETHER

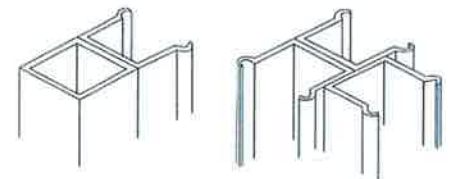


#### B) FIXING POSTS IN GROUND



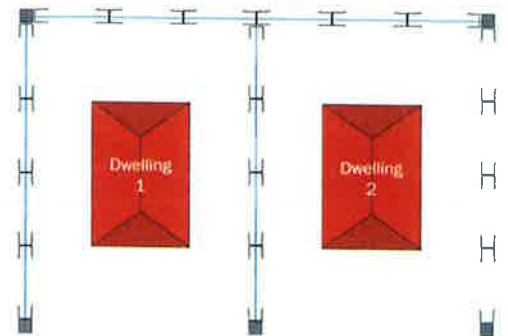
- Place first post in hole
- Adjust to correct height
- Support post with temporary brace
- Fill hole with fully mixed, wet concrete

#### C) END POSTS, CORNER POSTS & JUNCTIONS



□ = Fence Post    ■ = SHS Section

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

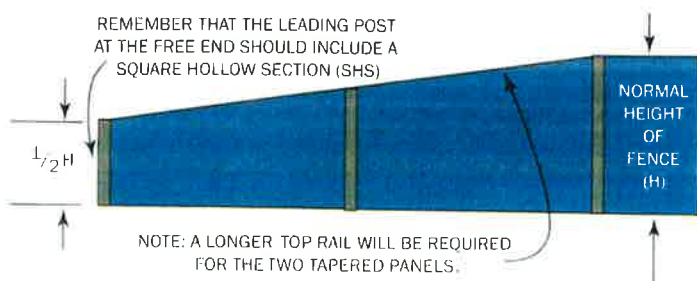


### TAPERING THE FRONT OF YOUR FENCE

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.

The minimal extra effort in tapering the unsupported end will provide a better looking fence than a stepped fence and is stronger than leaving it at full height.

Cut sheets as per the instructions in the SLOPING OR UNEVEN SITES section.



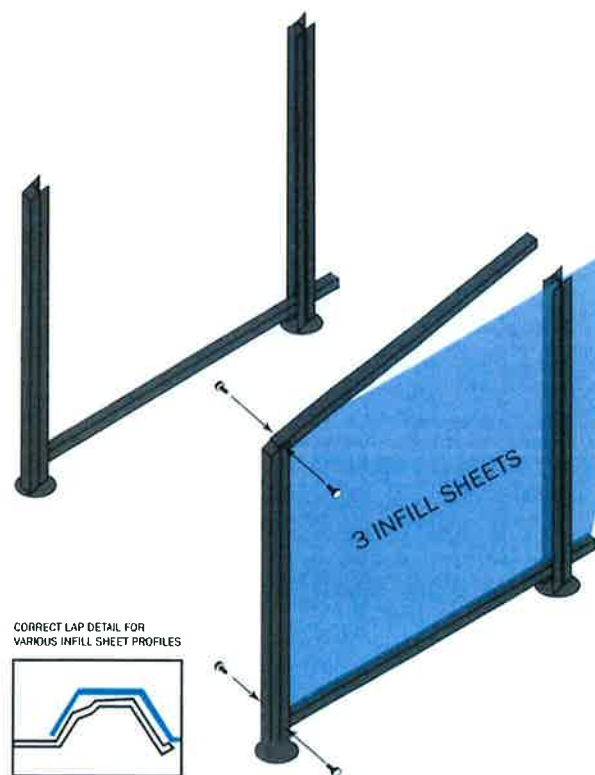
Example for 2365mm post centres	Fence Height	Tapered End Height	Top Rail Length (if tapered, per two panels)
	1500mm	750mm	2385mm
	1800mm	900mm	2400mm



## Installation guide

### STEP 3 INSTALLING INFILL SHEETS

- 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 the bottom of the rail and the ground
- Screw fix the rails at this stage
- Continue this procedure until fence length is achieved.
- Allow the concrete to cure overnight.  
Note: A longer period may be required in very cold and/or wet weather.
- Fit infill sheets into bottom rail ensuring correct lap as per diagram 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.
- Check installation.



### MAINTENANCE OF YOUR FENCE

1. To keep your fence looking its best, simply hose your fence down periodically with water. A soft broom should be sufficient to remove any cobwebs.

2. DO NOT build up soil or garden fill against the bottom rail 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 pool 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.

### LATTICE INFILL

Metroll steel fencing has always offered long lasting beauty and durability. To enhance your fence further, lattice and capping is an attractive steel lattice option available in all Metroll fencing system colours to complement your investment.

All panels are high tensile steel measuring 2365mm in length and consist of two posts, one top, middle and bottom rail, three sheets, one lattice panel, two post caps and 20 self-drilling self-tapping screws

All panels may be stepped.

Fence Height (mm)	Length (mm)			Hole Dimensions (mm)		
	Post	Rail	Sheet	Clay/Firm Earth	Sand/Loose Fill	Rock Earth
1500mm	2100	2365	1190	200mm dia 600mm deep	250mm dia 900mm deep	200mm dia 300mm deep
1800mm	2400	2365	1490	200mm dia 600mm deep	250mm dia 900mm deep	250mm dia 300mm deep

Note: All holes should be straight sided, If not, wider at the bottom than the top.