



PIONEER

TM

HEAVY DUTY CONCRETE SLEEPER AND GALVANISED STEEL POST RETAINING WALL SYSTEM

- + 100% termite proof materials
- + Perfect for walls up to 3.0m high
- + Great range of finishes

35

**YEAR
WARRANTY**



TM



WHY RISK WOOD? BE A PIONEER!

Designed and made in Australia, PIONEER Reinforced Concrete Sleepers are guaranteed for up to 35 years making them the perfect solution for termite proof retaining walls up to 3m high.

All PIONEER Reinforced Concrete Sleepers are 200mm high and 75mm thick, and include internal reinforcing so they're solid, strong, and dependable. Available in a variety of lengths, and a range of finishes, they're adaptable to almost any project.

PIONEER's matching galvanised post system makes design and install easy – just draw out your wall, count your posts and select your sleepers!

DESIGNED TO LAST AND LOOK GOOD

PIONEER Reinforced Concrete Sleepers are engineer designed and tested, meaning they are strong and reliable.

Chose from natural finishes like Gumtree and Sandstone, or Smooth which is ideal for a simple, streamlined look.

Make the right choice and you'll be enjoying your PIONEER retaining wall for decades to come!



**YEAR
WARRANTY**

IRONBARK

SMOOTH

GUMTREE

SANDSTONE NATURAL

SANDSTONE GRAPHITE

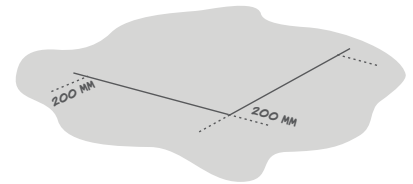
SLATE

INSTALLATION GUIDE

1

PREPARE THE AREA

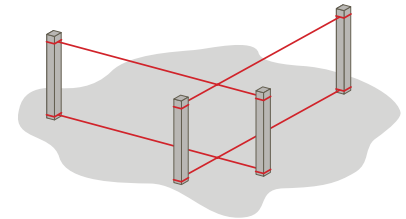
- Clear and level your site where you plan to build the retaining wall. Ensure you leave 200mm behind the retaining wall area for backfill.



2

ALIGNMENT

- Place a star piquet or peg at both ends of the proposed wall. Attach two string lines at each end of the wall, top and bottom, to keep your wall aligned.

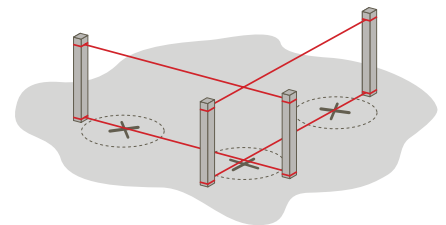


3

MARK OUT HOLE POSITIONS

- Starting from one end of the wall, mark a cross on the ground at intervals with their centre being approximately 15mm more than the length of the sleeper.

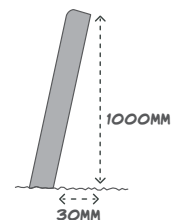
For example: If you are using 1530mm sleepers the hole centres should be 1545mm apart – note, this will vary on the length of sleeper used.



4

AUGER HOLES AND POUR CONCRETE

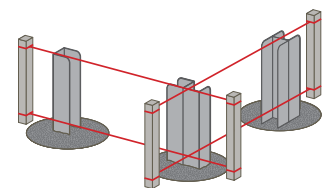
- Auger holes as per your engineers specifications as approved by council.
- Pour concrete into holes, one at a time.
- Make the concrete stiff. If using readymix concrete, order 20/20, 60 slump.
- Set your post by lowering into ground until level with the top string lines.
- Ensure there is a minimum lean back of 30mm for every 1.0m in height.



5

CHECKING POSTS

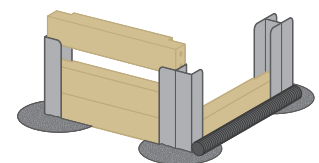
- Use a spirit level to make sure all your posts are aligned with the string line and are perpendicular on the sides.
- It is also important to measure the remaining distance to the top of your steel posts, to ensure the sleepers finish flush with the top of the posts.
- If required, lay a concrete pad on both sides of the steel post.



6

AG PIPE AND BACKFILL

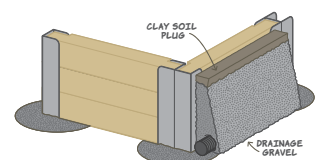
- Allow the concrete to cure for two to three days before you place your sleepers in. Place ag pipe at the base, then backfill with gravel to 200mm from the top.



7

SOIL PLUG






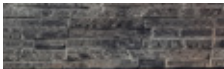
- A soil plug is then placed in, to fill the wall to the top.





ORDER FORM

1 CHOOSE YOUR FINISH

SLEEPERS			
OVERALL DIMENSIONS			QTY
	IRONBARK	1.58M x 200mm x 75mm	
	GUMTREE	1.58M x 200mm x 75mm	
	SMOOTH	1.2M x 200mm x 75mm	
		1.53M x 200mm x 75mm	
		2.0M x 200mm x 75mm	
		2.4M x 200mm x 75mm	
	SANDSTONE NATURAL	1.58M x 200mm x 75mm	
	SANDSTONE GRAPHITE	1.58M x 200mm x 75mm	
	SLATE	1.58M x 200mm x 75mm	

2 SELECT YOUR POSTS AND FENCE BRACKETS

POST TYPE	WALL HEIGHT	POST HEIGHT	QTY
100UC JOINER	0.4M	0.75M	
	0.6M	1.15M	
	0.8M	1.55M	
	1.0M	1.95M	
	1.2M	2.35M	
	1.4M	2.75M	
	1.6M	3.15M	
	1.8M	3.55M	
	2.0M	3.95M	
100PFC ENDER	0.4M	0.8M	
	0.6M	1.2M	
	0.8M	1.6M	
	1.0M	2.0M	
	1.2M	2.4M	
	1.4M	2.8M	
150PFC ENDER	1.6M	3.0M	
	2.0M	4.0M	

BRACKET	FENCE TYPE	BRACKET SIZE	QTY
STRAIGHT	Colourbond	580mm x 100mm x 3mm	
	Timber	580mm x 100mm x 6mm	
OFFSET	Colourbond	580mm x 187mm x 3mm	
	Timber	580mm x 187mm x 6mm	

What is efflorescence?

Efflorescence is the formation of mineral deposits, usually white, on the surface of concrete which can cause slight discolouration. Efflorescence on concrete is not a product fault, and is easily removed through normal maintenance. For more information, visit aussieconcreteproducts.com.au.