

BUILDING A **PALING FALING FALING**

BEFORE YOU BEGIN

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These instructions are in two parts, showing how to build a vertical or horizontal paling fence.

The instructions in the brochure *Installing Posts & Rails* will show you how to install the posts and rails required to build your new paling fence.

OPTION 1

1.8M Vertical Paling Fence

These instructions will show you how to build a 1.8M high paling fence. First up, complete the following planning section, this will help you calculate the materials required.

PLANNING YOUR FENCE

Measure the total length of your fence and use that measurement in the chart below.

and the second	EXAMPLE	YOUR FENCE
Length of fence divided by 2.4	16.5M	
	6.88	
Round up to next full number	7	(A)

"(A)" – Take this number and use it in the 'Materials Required' chart to work out the total amount of materials required to build your fence. Don't forget to allow extra material if you're making a gate.

Materials

MATERIALS REQUIRED		2	QUANTITY REQUIRED		
100 x 100mm Radiata H4 Treated Posts		+ 1	=	at 2.7M long	
100 x 50mm Radiata H3.2 Treated Rails		x 7.2	=	metres in multiples of 2.4M lengths	
150 x 25mm Radiata H3.2 Treated Palings		x 15	=	at 1.8M long	
100mm Hot-dipped Galvanised Flathead Nails		÷ 4	-	500gm bags	
M10 x 180mm Hot-dipped Galvanised Coach Bolts c/w Nut & Washer		x 3	=	each	
60mm Hot-dipped Galvanised Flat Head Nails		÷ 2	=	500gm bags	
Dricon RapidSet 25kg		Ax2	-	25kg bag	

Alternative to the above include using gauged palings, stainless steel screws and RapidSet instant concrete. Ask at your PlaceMakers branch for more information.

Tools

- Spade
- Stringline
- Tape measure

- Hammer
- Pencil
- Safety equipment

All of the work described on this page can be carried out using these hand tools. Power tools (circular saw, etc.) will make some of the work easier but they are not essential.

Spirit level

• Hand saw

• Set square

GETTING STARTED



Fig.1 shows a completed section of paling fence. The posts are placed 2.4M apart measured from centre of post to centre of post. 2.4M is the maximum safe rail span. The post spacing is then 2.325M (2325mm) for 75mm posts, or 2300mm for 100mm posts.





Fig.2 shows the heights for setting the posts and rails when using 1.8M long palings. Adjust these figures up or down if your palings are a different length. The height from the bottom edge of the paling to the ground can also be adjusted to your requirements.

POST HEIGHT:	1700mm	Copy both these figures into the brochure Installing
POST SPACING:	2300mm	brochure.

Paling Spacings

This fence has 15 palings for each 2.4M section of fence. The palings are 150mm wide and spaced 10mm apart. If you wish to space them differently adjust the number of palings in the 'Materials Required' chart to suit the new spacing.

Fixing the Palings to the Rails

- a) Fix the first paling in position at either end of the fence to the correct height. Temporarily fix a paling at the other end of the fence, also at the correct height.
- b) Run a stringline across the top of the two palings, and pack it with a small block 20mm above the top of the paling. If the fence is long it may be necessary to temporarily fix the palings at the intermediate points, to eliminate any sag in the line.
- c) Fix the palings to the rails (but don't drive in the nails completely), using a 10mm spacer to separate them by the required distance (see **Fig.3**). Fix a 20mm spacer at the top to maintain the level along the fence.





- e) Check the position of the paling and then hammer the nails in completely.
- f) The paling should be fixed with 60mm hot-dipped galvanised flathead nails, two into each rail. Drive the nails at an angle, skew nail (see **Fig.5**) one angling up and the other down.





DESIGN VARIATIONS



Palings are fitted alternately on either side of the rails, so there is no definite back or front.



EMPHASISE THE CAPPING RAIL

A 150 x 40mm capping rail painted in white can provide a perfect contrast to an ordinary paling fence.



A board and batten fence with capping rail

EMPHASISE THE POSTS

Fix the rails between the posts, and set the posts higher than the surrounding palings. A simple groove cut into the top of the posts as a shadow line can provide decoration. It is preferable however to avoid exposing cut timber as its durability may be compromised when not protected by preservatives. Post caps that fix to the top of the fence post are also available in a range of designs.

For more 'Know How' guides & projects visit www.placemakers.co.nz





ортюм 2 1.8M Horizontal Good Neighbour Fence

These instructions will show you how to build a 1.8M high Good Neighbour fence. On this fence, palings are fitted alternately on either side of the rails, so there is no definite back or front. If you are building a fence of a different height adjust these instructions to suit.

The following information will show you how to fix the palings to a completed post structure. The instructions for installing the post section of the fence are given in the *Installing Posts & Rails* brochure. Before you do that please complete the following planning section, this will assist you to order the materials required.

PLANNING YOUR FENCE

Measure the total length of your fence and use that measurement in the chart below.

		EXAMPLE	YOUR FENCE
Length of fence divided by 1.8		12.3M	
	=	6.83	
Round up to next full number		7	(A)

"(A)" – Take this number and use it in the "Materials Required" chart to work out the total amount of materials required to build your fence. Don't forget to allow extra material if you wish to make gates to match your fence.

Materials

Materials and tools are the same as the first fence except that instead of palings some 150x25mm H3.2 Radiata should be purchased. To reduce waste try to buy lengths of timber as close to 1.8M multiples as possible (eg. 3.6M and 5.4M).

GETTING STARTED

Fig.1 shows a completed section of paling fence. The posts are placed 1.8M apart measured from centre of post to centre of post. The post spacing is then 1700mm.

POST HEIGHT:	1800mm	
POST SPACING:	1725mm for 100 x 75mm posts 1700mm for 100 x 100mm posts	



THE GROUND RULES

Before you start any landscaping or building projects, it's important you make sure the finished job will comply with the building code and council regulations. For full information on the regulations applying to your area, consult with your local council.

Building Your Fence

This fence has 14 palings fixed horizontally in each 1.8M section, with 7 palings on each face of the fence. They are spaced 100mm apart (see **Fig.2**) so that the last paling finishes 50mm above ground level. If you want different spacings between the palings, adjust the quantities in the 'Materials Required' chart, and the post height, to suit.



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