

DIY Guide

Steps for installing a post and panel pre-cast retaining wall:

1. Work out which post needs to be installed first. Usually the first post is against a building, in a corner, against a fence, etc and must be in that exact location.
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2. Place the first post in the hole (see engineering details for required hole dimensions). Dotted line in diagram below represents location of the string line.

The string line is used for height and line so make sure it's nice and tight. Using a spirit level the side of the post (left to right) should be plumb. The front of the post should lean back towards the load until the bubble on the spirit level comes to the line. (see figure 2)

3. Mix clean sand with cement in a cement mixer or wheelbarrow at a ratio of 6:1 (6 parts clean sand to every 1 part cement) and the appropriate volume of water to achieve the right consistency.
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4. Fill the hole with the mortar mix from the bottom of the hole to the panel level.
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5. For standard retaining walls cut a piece of timber at 1503mm long to be used for a spacer to locate the next post. (see figure 1) For vehicle surcharge retaining walls vary timber length accordingly.
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6. Repeat steps 2-4 for installing the next post and put the panels in.
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7. Always fully panel between any posts installed on the same day. Knock the panels down so that the bottom panel sits into the footing and the top panel is level with the posts.

The bottom panel sitting into the footing will ensure that over the years to come the panels will always maintain the same level and won't drop.

8. Take away 50mm of mud from the front of the post so brickpaving, lawn or plants won't interfere with it later.

FIGURE 1.

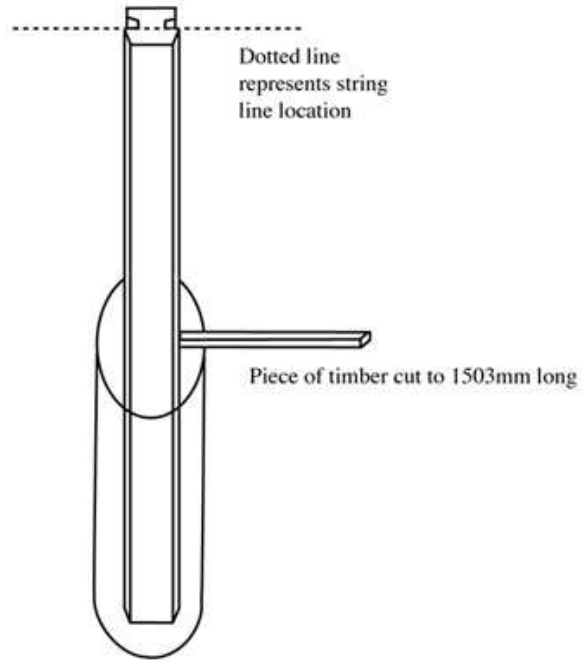


FIGURE 2.

