






Materials:

-  GreenMongrel™ Root Barrier or Heavy-Duty Root Barrier
-  Growth inhibitor e.g. sodium bentonite


Tools:

-  Spade, shovel, trenching machine or narrow backhoe bucket
-  Utility knife, tin snips or heavy-duty shears
-  String or marking spray (optional)

How to install:

- Mark out the desired position of root barrier between the dripline of the tree and the hardscape with string or marking spray. It is preferable to place the root barrier beside the hardscape so that tree roots cannot gain access to the hardscape/structure, rather than surrounding the tree.
- The length of root barrier should be sufficient to stop the growth of the roots around the edge of the barrier, typically 1-2m outside the dripline of the tree (edge of the leaves).
- Dig a narrow (100mm approx. wide) vertical trench between the dripline of the tree and the hardscape. Depth is determined by the soil type and tree species. In normal, undisturbed soil, little growth occurs deeper than 1 metre. However, to stabilise moisture in reactive clays under a structure, a deeper barrier is required.
- Prune any roots protruding into the trench using industry accepted pruning methods.
- Place a 50-100mm layer of sodium bentonite or another growth inhibitor at the base of the trench to seal the bottom of the trench and bind the bottom of the root barrier to the undisturbed soil.
- Place root barrier vertically into the trench.
- Install root barrier in one piece, ensuring it protrudes approximately 50mm above ground level to prevent roots growing above the barrier.
- Backfill the trench with smooth aggregate or soil from the trench to stabilise the ground.
- After settlement, the root barrier may be trimmed to just below lawn mower height if desired, but must still protrude above ground.
- Overlap the root barrier then use with a barrier jointing tape (butyl tape) for 'root proof' joins. Such as https://www.bunnings.com.au/consolidated-alloys-75mm-x-3m-weatherproof-butyl-flash-flashing-tape_p1100468?device=default
- Professional advice from a qualified arborist on-site is recommended to determine the depth of root barrier, distance from the tree and any root pruning. The above is only for guidance and not professional advice. No warranty is expressed or implied other than that required by law. We do not undertake any liability for the use of our products and information.

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DISCLAIMER: This product is designed as a barrier to tree roots. However, due to variations in tree species, soil and site conditions, Plastic Forests takes no responsibility for liabilities caused by root growth or the use of our product. All information provided in this publication is correct to the best knowledge of the company and is subject to change without notice. No warranty is expressed or implied other than that required by law. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Plastic Forests Pty Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Users of products made from recycled plastic should recognise the limitations imposed, and in conjunction with the supplier agree on the necessary specification limits. In general, products made from recycled plastic conform to "Fit for Use" criteria. Information and product specifications may change without notice.
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