

RootBlock™ Root Barrier

Product Information

RootBlock™ is a high performance, root barrier developed with a broad spectrum of indigenous trees and shrubs through to Japanese Knotweed in mind. The product has been purpose designed for use as a root barrier, where an ultra strong, durable, robust membrane is needed. It has been designed and manufactured with the Environment Agencies 'Knotweed Code of Practice' as the primary driving force. This ensures that it is capable of almost every imaginable use as a root barrier.

Product Description

RootBlock™ is a interwoven reinforced polyethylene geomembrane designed to deflect the growth of roots and is suitable for vertical installation applications.

Physical & Dimensional Properties				
Polymer				Polyethylene
Colour				Black/Blue/Green *
Thickness		mm		0.25
Roll Width		cm		205
Roll Length		m		100
Covered Area		m ²		205
Roll Weight		kg		45
Mechanical Properties				
Tensile Strength	ISO 1421-I	N/5cm	Warp	900
			Weft	900
Tear Strength	ISO 4674-I	N	Warp	110
			Weft	110

*Colours may vary; however the specifications will always remain constant.



Above: Quarantined contaminated soil application, Forestside, Hampshire
Left: Typical service trench application

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.

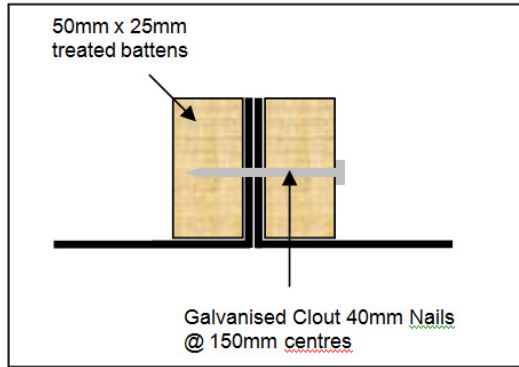


Contractor Installation Information

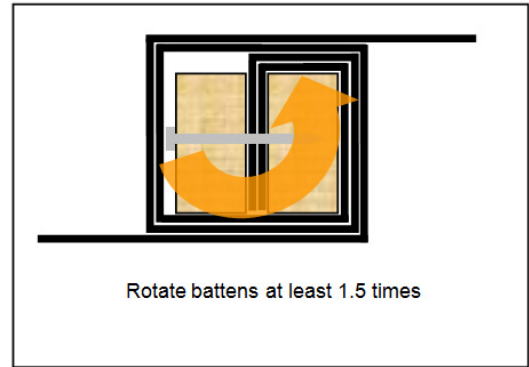
Where RootBlock lengths or widths greater than those supplied on one roll are required, jointing can be achieved by the following methods depending on the type of intended application. It must be noted that the following methods are intended as general guidance and hence does not constitute detailed installation instructions.

Vertical jointing (up to single roll width in depth):

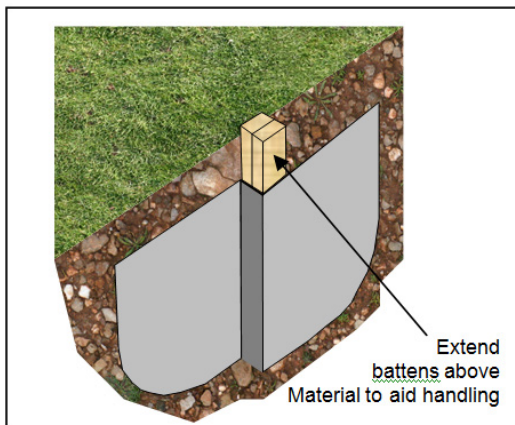
RootBlock Plus should be fastened to two timber battens as illustrated below, (step 1), making sure that the nails do not penetrate through to the other side of the second batten. It is recommended that the nails should be inserted at approximately 15cm intervals. Once the nails have been inserted the timber should then be rotated at least 1.5 revolutions (step 2), whilst keeping the two lengths of RootBlock taut. The jointed lengths can then be inserted into the trench, and the trench backfilled (steps 3 and 4).



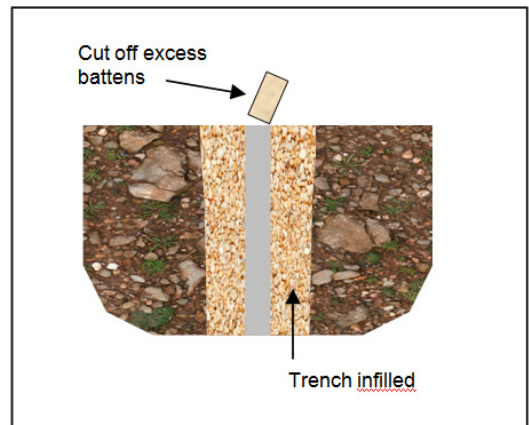
Step 1 – Attach Wooden Battens



Step 2 – Rotate the battens



Step 3 – Place in the ground

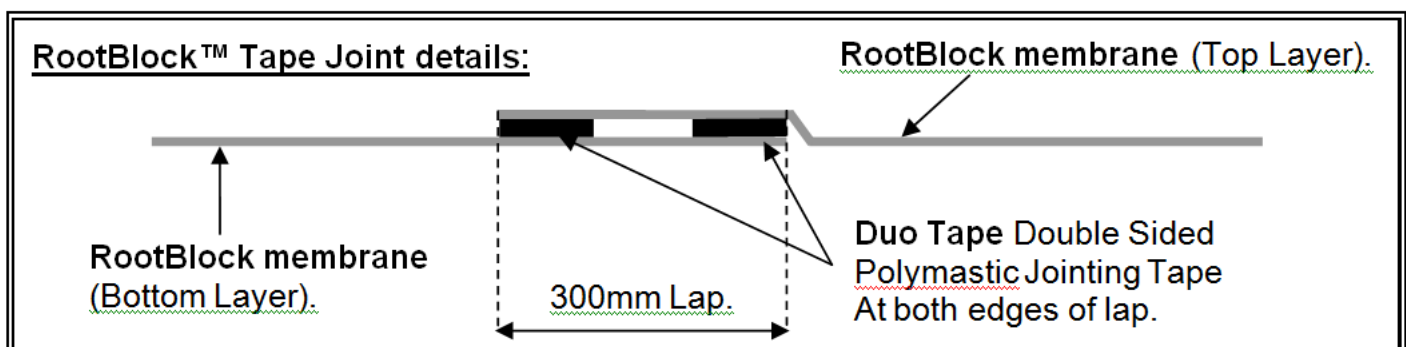


Step 4 – Backfill & cut battens

Horizontal or deeper vertical joints (greater than one roll width):

Horizontal joints or vertical joints in barrier deeper than one roll width will require jointing; this is achieved by using RootBlock Jointing Tape as shown in the figure below (as long as the ambient temperature is greater or equal to 5°C).

1. Ensure RootBlock is clean and dry and free of debris.
2. Join laps (300mm) together with the waterproof **RootBlock Jointing Tape 100mm** at both edges.
3. Make sure both sides of the lap are taped as per diagram above.
4. If the RootBlock is against a structure; a protection geotextile fleece should be used between the structure and the RootBlock product, such as **Ekotex 20**.



If you require any further information or guidance on RootBlock or its' installation please contact us.