

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 multiple layer composite, flexible, loose laid sheet membrane comprising outer layers of LDPE polyethylene carrier membrane encapsulating a high strength woven HDPE polyethylene core.

Physical & Dimensional Properties			
Polymer			Polyethylene
Colour			Black/Blue *
Thickness	mm		0.25
Roll Width	m		1 / 2
Roll Length	m		100 / 200
Covered Area	m ²		100 / 400
Roll Weight	kg		20 / 80
Mechanical Properties			
Tensile Strength	kN/m	Warp	2.79
		Weft	2.36
Tear Strength	N/m	Warp	691
		Weft	652

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



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

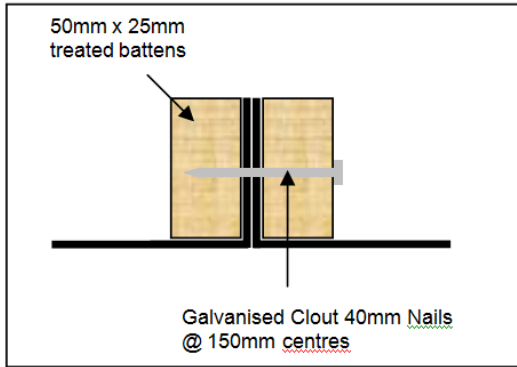
This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your 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

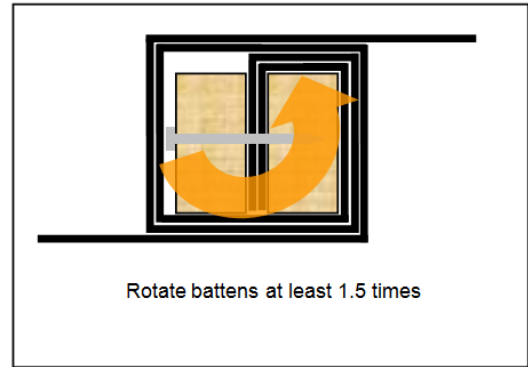
Where RootBlock lengths or widths greater than those supplied on one roll are required, jointing can be achieved by the following methods depending on the type of intended application. It must be noted that the following methods are intended as general guidance and hence does not constitute detailed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

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

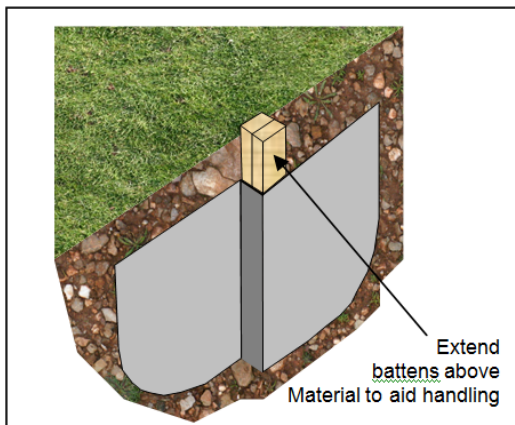
RootBlock Plus should be fastened to two timber battens as illustrated below, (step 1), making sure that the nails do not penetrate through to the other side of the second batten. It is recommended that the nails should be inserted at approximately 15cm intervals. Once the nails have been inserted the 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).



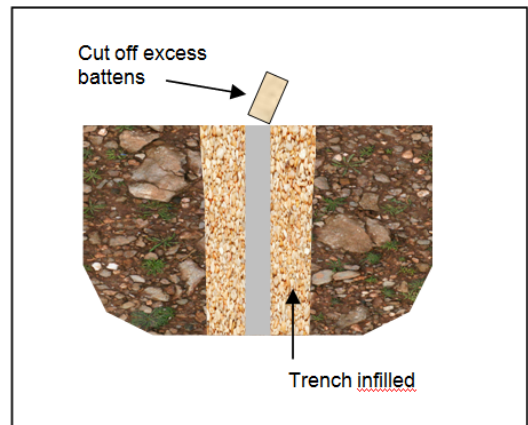
Step 1 – Attach Wooden Battens



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.

