



Case Study Knotblock® KM1.5M Barrier

Location:

Former Vulcan Works
Newton Le Willows

Client:

KPI (No9) Ltd and
Ashtenre Ltd

Project:

Japanese knotweed
barrier



Contractor:

Buckingham Group
Limited



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The following is a summary of the work carried out at Stand 2, Vulcan Works, Newton Le Willows. The purpose of the project was to remove the constraint posed by Japanese Knotweed to redevelopment. The installation of the Japanese Knotweed barrier was undertaken in early 2008.

Geosynthetics Limited Knotblock® KM 1.5M was used for this project as it is a recognised Japanese Knotweed barrier membrane. Previously the area of Japanese Knotweed had been treated, using chemical herbicides, to retain the knotweed stands in situ. For the barrier installation the consultants advised that the Knotblock® should extend to a depth of no less than 2 metres below the finished soil level and no less than 1 metre out into the site. A 2m x 0.5m deep trench was dug, extending out from the bottom of the graded bank from where the knotweed had been removed.

The membrane was cut, into 6.5-8m lengths depending on the height of the bank, long enough so it lined the entire bottom of the trench. Each length of membrane was joined to the next, with an overlap of approximately 0.5 m, using Knotblock® tape (100mm x 10m rolls) to seal the joint as per our installation



instructions.

The trench was then backfilled and the bank was re-graded so that the membrane was not too close to the surface of the soil and at least 30cm (generally more) was left protruding at the top of the slope.

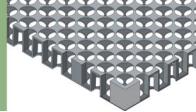
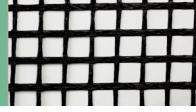
All of the work was carried out following the guidelines as per the method statement and the clients are satisfied that Stand 2 is now free of viable knotweed material.

The benefits of using Knotblock® KM 1.5M in this case were:

Knotblock® KM 1.5M is supplied in large roll sizes 5.9m wide by over 100m long to minimise the amount of joints as per Environment Agency guidelines.

Dependent on soil conditions the projected lifespan of the product is in excess of 100 years.



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Cellweb® TRP Tree Root Protection		Golpla Pregrown Ready To Lay Paving System		Telegrid Woven Polyester Geogrid	
DuoDrain® Composite Drainage Product		Interlock Extruded HDPE Geogrids		Telelev High Strength Woven Geotextile	
East Coast Biodegradable Erosion Control		Knotblock® Japanese Knotweed Barrier		Tenax Soil Reinforcement Solutions	
Ekotex® Non Woven Geotextile		Landlok Turf Reinforcement Mat		Total Traffic Exopave Heavy Duty Paver	
Fiberforce® Equestrian Geotextile		Nicospan Erosion Control		Trinter Erosion Control Mat	
Fibertex Non Woven Geotextile		Rhyno® Woven Geotextile		Turfmesh Grass Reinforcement	
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