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Solving the problem of

Japanese Knotweed

and other invasive species

More **membrane** power from Monarflex Geomembranes

We make them, we install them,
We guarantee them for life!

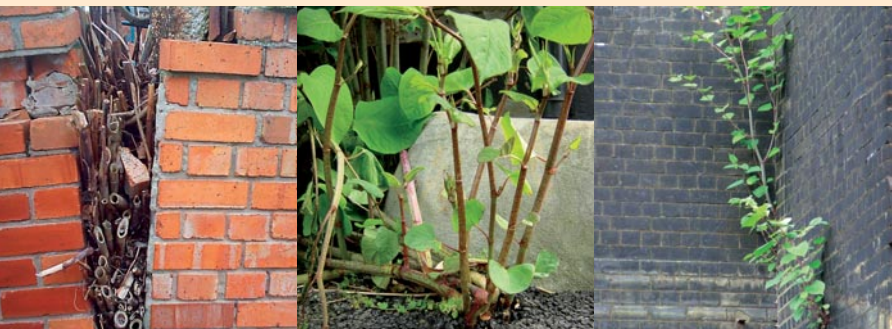
Monarflex
Geomembranes





Japanese Knotweed is an aggressive and highly invasive plant that can cause extensive damage to property and delay the construction process on development sites by a year or more. The need to have a proven solution supported by a robust guarantee is vital.

Few companies are better placed to give you that than Monarflex Geomembranes.



The vigorous growth of Japanese Knotweed can damage buildings and hard surfaces. Once established underneath or around the built environment, it can be particularly hard to control. Riverside Japanese Knotweed damages flood defence structures and it causes problems for our native wildlife.

The Monarflex Solution

A Monarflex geomembrane, often referred to as a root barrier, is a physical barrier that protects a structure or site from Japanese Knotweed and other invasive plant and weed infestation. It can be used for cell burial, stock pile formation, building foundation protection, vertical ground barriers and other burial methods.

The Monarflex Root Barrier (MRB 500) can be used to physically protect a building structure or unaffected soil. It meets all of the characteristics required of a root barrier as it...

- is highly resistant to damage
- comes in large sizes minimising the need for welding
- can be securely sealed with extrusion welding at joints
- will remain intact and effective for a minimum of 50 years
- is resistant to UV light when exposed.

There are various root barrier membranes available on the market which claim to be able to prevent the intrusion of Japanese Knotweed.

A Complete Package

Monarflex Geomembranes give you comprehensive beginning-to-end project support providing the strongest possible foundation for every project.

Over 25 years experience at the forefront of barrier and containment membrane technology and manufacture allows us to provide design proven, cost effective solutions. As a root barrier is ultimately only as good as the way in which it's been installed, we're one of the few companies to have our own in-house installation teams with a proven track record of professionalism and attention to detail.

This means we can guarantee both our products and installation for the life of the building or containment, giving you guaranteed peace of mind.



Consultancy – Monarflex specialists will survey the site then propose materials and cost the project always working closely with clients, consulting engineers and local authorities to ensure installations are effective.



Manufacture – all geomembranes are manufactured under strict quality control in our factory.

Monarflex Root Barrier (MRB 500) is a high performance membrane consisting of both blow and flat extruded layers of virgin LDPE combined to give a homogeneous sheet with the following properties.

- High chemical and UV resistance
- Outstanding multi-axial elongation
- Exceptional puncture resistance
- 0.5mm thick impermeable membrane

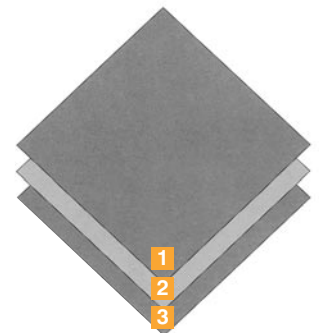
The membrane is installed by the manufacturer using an extrusion welding technique under an internationally recognised QA procedure such as ISO9001:2000 and certificates of conformity to the above will be supplied, upon completion.



Delivery – the logistics of delivering many tonnes of material to site is something that the Monarflex team is quite used to dealing with.



Installation – the geomembrane is factory-welded into suitably sized sections before delivery. Our installation team then assemble the lining on site, before final welding.



- 1 Extruded LPDE
- 2 Polyester Reinforcing
- 3 Blown LPDE



Welding – on-site welding is essential for a successful and long lasting installation. Monarflex installers do this using the company's own specially designed equipment.



Inspection – strict quality control is applied at all times during manufacture and installation and includes a final inspection before handover and issuing of the guarantee.

For full details see our *Product Data Sheet*.

The Environment Agency's Knotweed Code of Practice "Managing Japanese Knotweed on Development Sites" is a useful reference guide and outlines the various options for the control or eradication of Japanese knotweed.

For further information please call **08444 123 175**
e-mail geos.uk@icopal.com or visit www.monarflexgeomembranes.co.uk

**Icopal Monarflex
Geomembranes Ltd**

PO Box 6318

Leighton Buzzard

LU7 6AN

Telephone: 08444 123 175

Fax: 01727 868 045

Email: geos.uk@icopal.com

www.monarflexgeomembranes.co.uk

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- Acoustic systems

Structural protection

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- Damp proof courses and cloaks
- Containment membranes
- Gas control systems
- Tanking/below ground waterproofing

Protection for people and the worksite

- Standard and fire retardant scaffold sheeting
- Fall protection safety systems
- Edge protection safety systems

For information on Icopal products and services visit www.icopal.co.uk

Every effort has been taken in the preparation of this leaflet to ensure the accuracy of representations contained herein. Recommendations as to the use of materials, construction details and methods of installation are given in good faith and relate to typical situations. However, every site has different characteristics and reliance should not be placed upon the foregoing recommendations. Advice can be given as to specific applications of the products, upon request.