Protect Building Foundations using CuTex

CuTex – Copper Composite Root Barrier

At this site, Japanese knotweed was situated directly within the desired footprint of a new build (a small residential property)

As the Japanese Knotweed profile was cross-boundary and excavation could not continue beyond the property curtilage, a barrier to prevent its growth returning into the site was required. Additionally, because one of the outer walls of the new build was to be constructed on the boundary, protecting the footings and foundations against Knotweed ingress was crucial.

The excavation of Knotweed rhizomes from the soil was completed up to the site boundary and the sides of the excavation were then lined with CuTex, including the floor of the excavation. With shuttering engineered to rest over the CuTex, the concrete pour for the footings was then completed in a single operation. The result was a continuous line of protection along the boundary and into the site.

CuTex was the perfect choice for the job in this scenario because the non-woven geotextile surface provided a 'tooth' into which the wet concrete could bond, forming an incredibly robust barrier against re-ingress by knotweed rhizome. The design and construction of CuTex lends it a scope of application that traditional membranes cannot match.

Choosing CuTex for the installation created a reliable barrier against the Japanese knotweed, while allowing for moisture delivery to tree roots and preventing waterlogging in the soil. CuTex proved once again its versatility, whilst being both resilient and durable.

Project Information	
Location	Havant
Product	CuTex Copper Composite
Installer	PBA Solutions
Project	Small Residential New Build

CuTex is a permeable geocomposite root barrier consisting of a copper sheet mechanically encapsulated between a woven polypropylene geotextile and a high strength nonwoven polypropylene geotextile. CuTex functions not only as a physical barrier, but also as a chemical barrier.

The benefits of using CuTex:

- **CuTex is Safe** – tested for biodiversity
- **CuTex is Permeable** – does not prevent water passage allowing for sustainable urban drainage
- **CuTex Inhibits Root Growth** – CuTex acts as both a physical and a chemical barrier to prevent the spread of Invasive roots.

For more information on CuTex please contact our Sector Manager Steve Worsley at sworsley@geofabrics.com