Case Study
Bentotex Geosynthetic Clay Liner (GCL)

Location:
East Barnet School
Chestnut Grove

Client:
Barnet Council -
Education Department

Project:
Creation of a pond/
wetland area for
education

Contractor:
Pond Life Aquatics

As part of the national ,Project Faraday scheme providing an entirely new network of state-of-the-art science focused schools, one of the resources in these new facilities is a natural wetland environment. This will be used to provide a natural study area in which students can undertake scientific studies and experiments.

The Faraday Project required a wildlife pond using a geomembrane welded in situ to cast in waterbar with a minimum lifespan of 25 years. Working with the main contractor 'Pond Life' Geosynthetics proposed the Bentotex GCL as a solution that provided a self-healing waterproof membrane that required no specialist welding; being able to be installed by Pond Life themselves; the proposed solution resulted in a large saving on the project labour costs, It also allowed for the creation of extensive, varied planting and wildlife zones that would not have been possible using any other type of liner.
We visited the site prior to installation and provided detailed installation instructions and guidance to assist Pond Life with the project. The finished pond is not only an attractive oasis for the students, it is also a valuable practical resource for teaching.

In this case due to time and cost restraints it would not have even gone ahead if the Bentotex GCL option had not been put forward. The education authority is delighted with this final result and the contractor was very happy with the ease of installation, as well as the advice and help received.

The benefits of using Bentotex GCL in this case were:
self-healing abilities,
No specialist welding; being able to be installed by Pond Life themselves showing a large saving on the project labour costs,
Creation of extensive, varied planting and wildlife zones that would not have been possible using any other type of liner.