blueroof

Green Biodiverse, Moreland Primary School, Islington, UK

abg creative geosynthetic engineering

Case Study

Project Description

Moreland Primary School, in the London Borough of Islington, is a new purpose-built school, nursery and children's centre. The £12.4m development, carried out by Morgan Sindall, also included demolition of the existing school which would remain in operation throughout construction.

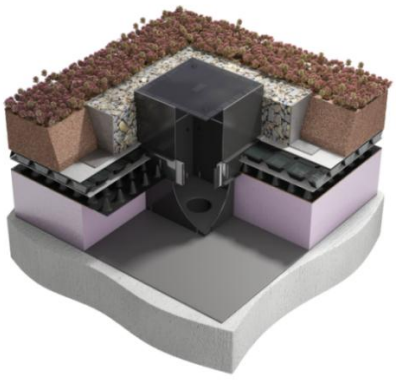
Phased construction was carried out over a 12 month period before the school's opening in autumn 2016. The project maximised all usable outside space. For example, the school roofs were designed for play, education (science lessons and children's allotments), general staff and pupil enjoyment.

The Challenge

The Inner London development had very limited construction space due to its location and phased construction programme. The original design included below ground attenuation tanks to provide temporary storage and controlled discharge of storm water. This presented a problem at the outset as it would significantly reduce site storage space and limit access to other sub-contract trades, subsequently delaying the programme of works. The challenge was to develop a new method of storage/discharge which would not adversely impact upon the rest of the project. Any solution would have to be sensitive to Islington's Biodiversity Action Plan which looked to protect existing site ecology and enhance biodiversity through a range of measures including a biodiverse roof system.

Project Information

Client	Islington Borough Council
Contractor	Morgan Sindall / Geogreen Solutions
Consultant	Haverstock Architects / Conisbee
Products	ABG blueroof & Biodiverse Roof Systems
Quantity	1500m^2
Benefits	• Versatile ABG **blueroof** system to allow for a range of finishes • Eliminated the need for attenuation tanks at ground level. • ABG biodiverse roof system contributed to BREEAM 'Excellent' rating • Complete ABG service: design through to installation.



ABG blueroof system

abg ltd. E7 Meltham Mills Rd, Meltham, West Yorkshire, HD9 4DS
UK t 01484 852096 **e** geo@abgltd.com **Export t** +44(0)1484 852250 **e** export@abgltd.com
www.abgltd.com

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The Solution

Due to the technical expertise and experience of similar working conditions, **ABG** designed a versatile blue roof system which would eliminate the need for attenuation tanks at ground level whilst still allowing for the range of roof finishes required. **ABG's** knowledge and experience also meant that the work could be completed under strict and phased timeframes creating valuable storage space for other trades materials at roof level.
The incorporation of **ABG's** biodiverse roof system helped to maximise BREEAM credits and meet the criteria laid out in Islington's Biodiversity Action Plan.

Biodiverse roof area during construction. Incorporated to enhance site ecology, contributing to the project achieving a BREEAM 'Excellent' Rating

The ABG Service

ABG provide a full technical solution from design to manufacture, supply and install of the blue and biodiverse roof systems.

Pathways installed to make the roof accessible to all

ABG's versatile blueroof system adapted to suit a range of roof finishes

Contact ABG today to discuss your project specific requirements and discover how ABG past experience and innovative products can help on your project.

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UK t 01484 852096 **e** geo@abgltd.com **Export t** +44(0)1484 852250 **e** export@abgltd.com
www.abgltd.com