



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 and for example, the school roofs were designed for play, education (science lessons and children's allotments), general staff and pupil enjoyment.

The Challenge

Due to the Inner London location and phased construction programme, the development had very limited space available during the build. The original design made provision for below ground attenuation tanks for temporary storage and controlled discharge of storm water. This presented a problem at the outset, since it would significantly reduce site storage space, limit access to other sub-contract trades and increase the volume of site traffic, subsequently delaying the programme of works. The challenge was to develop a new method of storm water storage/discharge that 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 / ABG Installs
Consultant	Haverstock Architects / Conisbee
Products	ABG bluroof & Biodiverse Roof Systems
Quantity	1,500m ²
Benefits	<ul style="list-style-type: none">• Versatile ABG bluroof 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 bluroof system

ABG bluroof

Green Biodiverse, Moreland Primary School, Islington, UK



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 trade's 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.

The ABG Service

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



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



Pathways installed to make the roof accessible to all



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

ABG LTD

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