

SuDS Porous Pavements

Fire Access Road, Advanced Turf Reinforcement, Goodricke Campus, York University, UK



Project Description

The £30m student accommodation campus development at York University forms an exciting and environmentally considerate design, sympathetically blending with the natural surroundings.

The eco-friendly designed buildings are arranged around a series of intimately scaled landscape spaces, connected by pedestrian routes to encourage interaction of the 600 on-site students.

The Challenge

The surrounding grassed areas and pedestrian routes to the student accommodation were required to be sympathetic with the building and ecologically sound with the design ethos, but capable of providing high load bearing capacity for Emergency Fire Vehicle access and Cherry Picker access for building maintenance.

The Solution

Advanced Turf was specified by the landscape architect, BDP Manchester, for its ability to meet the client's sustainability requirements, providing a natural and discreet, free-draining (SuDS Source Control) reinforced grass solution. The necessary high load bearing capacity for HGV loadings was easily achieved by **Advanced Turf**, whilst retaining the distinctive and flowing landscape design features.

The **Advanced Turf** Mesh Element rootzone blend, selected turf and fertiliser were supplied and installed over a designed sub-base profile.

Project Information

Client	University of York
Contractor	Shepherd Construction (York)
Consultant	BDP
Products	Advanced Turf System : Netlon ATS400/B
Quantity	1500m ²
Benefits	<ul style="list-style-type: none">• Load bearing for HGV's• Free-draining (SuDS Source Control)• Resists deformation and compaction• Discreetly reinforced, no trip hazards



ABG Advanced Turf System (ATS)

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After a short establishment period, the **ATS400/B** System was able to provide an aesthetically pleasing, structurally sound compaction and rutting resistant natural grassed surface, whilst the lawn areas are also able to provide a sustainable, safe and pleasant environment where students can spend their leisure time on grassed surfaces which present no visible structures or trip hazards, minimising Health & Safety risks. The free-draining **ATS** rootzone also enables surface water to drain into adjacent swales for localised infiltration and reuse.

The ABG Service

After assessment of the ground conditions and project application, a full design, construction and installation proposal was provide for the sub-base, ATS mesh reinforced soil and turf profiles. An ABG technician was on site to oversee installation.



Advanced Turf System rootzone/mesh element blend (ATS400/B) being spread into access route areas



Controlled compaction of reinforced layer pre- turfing



Structural green finish for fire truck access

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