



## Case Study

### Project

Booths Park - Office Car Park

**Project Ref**

NCS007

**Category**

Gravel Stabilisation Grids

**Product ID**

Nidaagravel IG040

**Large permeable gravel car park installation for overflow parking at the new PortSwigger HQ at Booths Park in Knutsford, Cheshire by GMI Construction PLC**

MORE



## Case Study

### Booths Park - Office Car Park



#### Information

**Application**

Car park

**Product ID**

Nidagravel IG040

**Area**

Approx 2300 SQM

**Gravel**

14mm Gravel

**Contractors**

GMI Construction PLC  
and sub-contractors

**Architects**

Calderpeel Architects  
Planit I.E. Limited

**Location**

Knutsford, Cheshire

#### Project Overview

The construction of this hi-spec office building is set to become the new global headquarters for cybersecurity firm PortSwigger. It comprises 62,000 sq ft of floorspace set across two stories complete with timber cladding and landscaped gardens that have been designed to complement and blend into the surrounding woodland area. Set in 220 acres of scenic Cheshire parkland, Booths Park offers high quality workspaces for many high-growth businesses.

In addition to the main parking area a large overflow parking area was created. The architects and contractors selected the Nidagravel IG040 gravel stabilisation system for the project which offered the best solution for a permeable, SuDS compliant and durable gravel surface for the project.







## Installation Details



The layout of the fully permeable gravel car park surface created using Nidagravel IG040 gravel grids was carefully planned by the landscape architects to provide an attractive parking area. The scheme also included gabion walls, concrete edgings, native tree and hedge planting, ornamental planting and exterior lighting.

Extensive groundworks were required for the external works and base construction of the car park. A reinforced concrete retaining wall faced with stone gabions was constructed to the rear of the building as the overflow car park sits on a sloping part of the site. Due to the large scale of the car park, the contractors were able to complete the gravel stabilisation grid installation in sections. This allowed for a section of grids to be installed and filled with gravel whilst final base preparation was being completed on other sections ensuring speedy and efficient installation of the system.







## The finished results



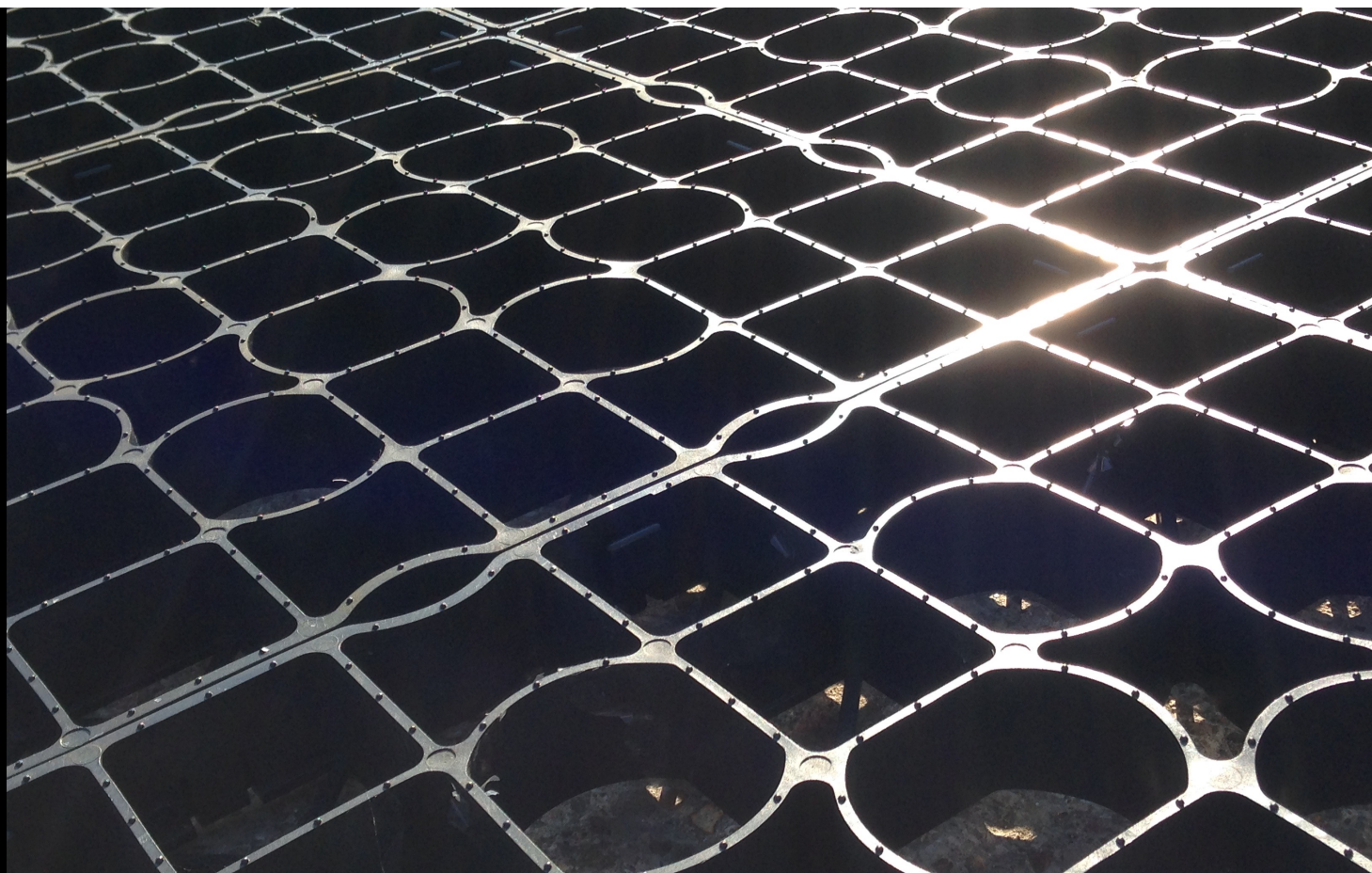
The quality of this project speaks for itself. All aspects of this head office building and the external areas have been designed and implemented to the highest of standards by GMI Construction PLC and partners, using a palette of quality building and landscaping materials.

***"The project team has done a remarkable job as, despite the challenges presented by the pandemic over the last 12 months, they have successfully delivered this fantastic development to an incredibly high standard."***

Mark Banks, Divisional Managing Director  
GMI Construction PLC







## Nidagravel IG040 - Gravel stabilisation Grids



|                       |   |
|-----------------------|---|
| <b>Category</b>       | Gravel stabilisation                                |
| <b>Application</b>    | Car parks, access roads, storage yards              |
| <b>Traffic</b>        | HGVs, forklifts, trucks, buses, fire engines        |
| <b>Material</b>       | Low density polyethylene (LDPE)                     |
| <b>Structure</b>      | Cellular  |
| <b>Dimensions</b>     | 0.5m long x 0.5m wide                               |
| <b>Coverage</b>       | 0.25 SQM per grid (4 grids per SQM)                 |
| <b>Grid Thickness</b> | 40mm  |
| <b>Colour</b>         | Black   |
| <b>Cell Size</b>      | 70mm  |
| <b>Max Gradient</b>   | Use on slopes up to 15%                             |
| <b>Grid weight</b>    | Unfilled 1.4 kg per grid / 5.6 kg per SQM           |
| <b>Strength</b>       | Unfilled 310 T per SQM / Filled 400 - 800 T per SQM |
| <b>Gravel Fill</b>    | Approx 80 kg per SQM / 20 kg per grid               |
| <b>Gravel Size</b>    | 4 - 20mm (max size 20mm)                            |
| <b>Gravel Type</b>    | Any angular decorative gravel or chipping           |





## Why choose Nidagravel grids?



Nidagravel grids have been manufactured to the highest standards by SAS Nidaplast Honeycombs for over 35 years having originally developed the cellular gravel retention system. Nidagravel offers the best solution for a stable, 100% permeable, SuDS compliant, high-performance and low-maintenance gravel surface for paths, driveways and car parks. We are dedicated to providing the best possible solutions, technical support and first-class service to our customers all over the UK.

Visit our website for further information on our gravel stabilisation range and order online securely with speedy delivery of your order in 48 hours.

**nidaqgraveluk**  
stabilised gravel driveways, paths & surfaces

Nidagravel UK  
Gravel Stabilisers UK Ltd  
4 Thorpe Court  
Thorpe Waterville  
Northamptonshire NN14 3ED

**T** 01832 77 65 68  
**E** [sales@nidagraveluk.co.uk](mailto:sales@nidagraveluk.co.uk)  
**W** [www.nidagraveluk.co.uk](http://www.nidagraveluk.co.uk)

  
**nidaplast**



British  
Association  
of Landscape  
Industries

