



## Case Study

### Project

Concrete Slab Re-surfaced

**Project Ref**

NCS006

**Category**

Gravel Stabilisation Grids

**Product ID**

Nidaagravel 140

**A period property with a concrete driveway and courtyard undergoes a transformation thanks to Nidaagravel and MWD Landscapes.**

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#### Information

**Application**

Driveway

**Product ID**

Nidagravel 140

**Area**

Approx 500 SQM

**Gravel**

20mm Cotswold Chippings

**Contractor**

MWD Landscapes

**Garden Designer**

N/A

**Location**

Gloucestershire

#### Project Overview

The driveway area of this lovely period property in Gloucestershire posed a problem for it's owners. How to cost-effectively re-surface a large old and worn concrete driveway and courtyard?

MWD Landscapes offered their clients the perfect solution with our Nidagravel 140 gravel grids, which can be laid on top of a concrete base in order to create a stable gravel surface. Instead of incurring the large expense of breaking out a large area of old concrete slab, removing it from site and installing a new sub-base. The old concrete driveway provided a solid base and therefore MWD Landscapes were able to lay the Nidagravel 140 grids directly on top of the concrete driveway and install new edgings. Nidagravel grids offered a more cost-effective option which not only saved their clients a considerable sum but created a beautiful gravel driveway to compliment their period house.







## Installation Details



In addition to providing a cost-effective solution in keeping with the property. The Nidagravel grid system was quick to install due to the large sheet size and the limited work required to the concrete base. The thickness of the gravel grid system was also important as the contractors had to work to the existing site levels. In addition, Nidagravel grids are 100% permeable allowing rainwater to drain through the grids to reach the existing drainage points. Where the existing slab was uneven in places, the contractors were able to adjust the levels to ensure the new surface looked perfect.

MWD Landscapes installed new granite sett edgings to the driveway entrance to retain the edges and used additional top soil and grass seed to blend in the new driveway level to the existing lawns. 20mm Cotswold shingle was chosen for the driveway which is a great colour with the local stone and ideal for use with Nidagravel 140 grids.





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Concrete driveway



Concrete courtyard



Old patio area



Laying the Nidagravel







## The finished results



The difference between the old uneven concrete surface and the new beautiful gravel driveway and courtyard is dramatic. It's amazing what a skilled landscape contractor can do with our Nida gravel grids to enable a superb cost-effective transformation.

***“Lovely transformation. We had great fun on this project working for a great client.”***

Mike Dempsey, MWD Landscapes

[www.mwdlandscapes.co.uk](http://www.mwdlandscapes.co.uk)







## Nidagravel 140 - Gravel Stabilisation Grid



<b>Category</b>	Gravel stabilisation
<b>Application</b>	Driveways, paths, patios and car parks
<b>Traffic</b>	Pedestrian, bikes, cars, vans, 4x4's, trucks
<b>Material</b>	Polypropylene
<b>Structure</b>	Honeycomb
<b>Dimensions</b>	2m long x 1.2m wide
<b>Coverage</b>	2.4 SQM per sheet
<b>Grid Thickness</b>	40mm (membrane bonded to the underside)
<b>Colour</b>	White
<b>Cell Size</b>	50mm (Hexagonal)
<b>Max Gradient</b>	Use on slopes up to 15%
<b>Sheet weight</b>	Unfilled 1.8 kg per SQM / 4.32 kg per sheet
<b>Strength</b>	Compressive strength 400 tonnes per SQM
<b>Gravel Fill</b>	Approx 85 kg per SQM / 204 kg per sheet
<b>Gravel Size</b>	4 - 20mm (max size approx 18-20mm)
<b>Gravel Type</b>	Any angular decorative gravel or chipping





## Why choose Nidagravel grids?



Nidagravel grids have been manufactured to the highest standards by 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 to order online 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)

  
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