

NIDAGRAVEL - Stabilised Gravel Paving Surfaces:

Purpose:

To provide a free draining paved surface for pedestrian and light vehicle applications, where a natural aggregate appearance is sought, with minimal ongoing maintenance and negligible demand on surface water drainage capacity. The finished surface should not rut, spread or migrate and will be suitable for small wheeled equipment and wheel chair access.

Design Criteria:

Based on sub base construction of comparable performance to other paving options, the stabilized gravel layer is designed to cope with regular pedestrian and light vehicle use, together with occasional transit of emergency, utility and delivery vehicles. (See technical data sheet for compressive strength value). Construction is simple, fast, productive and the product may be installed by relatively unskilled labour.

Limitations:

The system is not designed for heavy vehicle use where constant turning under significant axle loads are anticipated, or for roadways other than light vehicle access. In addition, gradients of over 1 : 20 can lead to top dressing migration, which will add to maintenance requirements and, if not re-instated, the possibility of failure through loadings of traffic over partly filled honeycomb structure.

Project References:

Nidagravel has been widely used in the UK for the last 6 years and for some 15 years prior to this in France, Holland, Belgium and Scandinavia. Typical installations have been to construction in Education, Heritage, Leisure and Communal Areas for upmarket residential/mixed use developments, in addition to smaller scale landscaping and traditional residential applications.

Durability and Life Time costs:

The concept is essentially an enhancement to a basic form of traditional paving, in order to address historical issues such as ease of transit over the surface, regular demand for maintenance and upkeep and replenishment of the surface dressing.

As such, Nidagravel has been used on PFI and Framework type projects where longer term upkeep of the surface lies with the contractor.

The manufacturer and UK distributor are happy to work with specifiers and end user clients in order to ensure the product is appropriate for the use envisaged and installed to a standard commensurate with economic life time operating costs.