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# CELLPAVE™ HD CASE STUDY



## Introduction

To cater for the heaviest loading requirements, Groundtrax Systems Ltd developed CellPave™ HD – a high quality heavy weight paver with some clever design features. They are particularly suitable for incorporation into a SuDS Compliant system and may even negate the need for costly water attenuation when installed on a suitable porous substrate.

**CLIENT: YORKSHIRE EVENT CENTRE**  
**LOCATION: HARROGATE, NORTH YORKSHIRE**  
**CONTRACTOR: HACS CIVIL ENGINEERING LTD**

## Issue

As one of the top exhibition venues in the UK, the Yorkshire Event Centre is home to many prestigious events throughout the year, with space for parking as well as exhibition pitches at a premium.

Nigel Pulling, Chief Executive of the Yorkshire Agricultural Society said: "We needed some sustainable and flexible parking as part of the building of a new larger Exhibition Hall at the Great Yorkshire Showground. A bigger exhibition hall obviously means more vehicles of all shapes and sizes. We wanted vehicle parking that looked attractive when not in use, as well as being able to cope with HGV vehicles. In addition, the surface needed to be sustainable, cost effective and be able to have marquees erected on them when required".

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## Solution

After researching a number of options they approached Groundtrax Systems Limited and selected CellPave™ HD.

Chosen for its robust and hardwearing design, consideration was also given to the fact that CellPave™ HD is SuDS compliant CellPave™ HD pavers have been designed to be installed with both gravel and grassed infills. 900m<sup>2</sup> was installed onto a prepared reinforced free draining crushed aggregate sub-base in line with the design specification and filled with a gravel. The surface was able to be trafficked immediately.

Following the installation, Nigel Pulling also commented: "After a smooth installation process we are delighted with the way the car park is operating and it has been very well received by our customers".

Mark Smith, MD of the HACS Group who installed the product at the showground also commented:

"We have now installed CellPave HD on many high-profile schemes and it is our product of choice when a hard-wearing permeable parking area is needed on our client's sites. It is easy to install by our own site teams and has been very well received by clients".





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## Benefits

CellPave™ HD met the requirements of 'Source Control' conditions as part of the requirement for a SuDS application, in that the new surfaces must be able to meet with an environmental requirement to enable water to permeate either in the surface/water table. This ensured that none of the surface water had to be directed into on-site drainage systems. The product not only met the needs for flexible parking of vehicles such as cars, heavy vans and HGVs, but due to its design was also able to offer the flexibility of allowing the erection of marquees and tent stands as steel pitching pins can easily be inserted through the product



## Product Specifications

- Dimensions: 600mm x 400mm
- Thickness: 75mm (from top of grip surface)
- Wall Thickness: 35mm
- Quantity per m<sup>2</sup>: 4.17
- Internal Cell Dimensions: 104mm x 104mm
- Nominal Weight: 8kg per paver (33.36kg/m<sup>2</sup>)
- Material: 100% Recycled Post Industrial Polymers
- Colour: Dark Grey
- Pallet Dimensions: 1600mm x 1200mm x 900mm (inc. pallet)
- Pallet Quantity: 120 pavers (28.8m<sup>2</sup>)
- Pallet Weight: 980kg
- Proudly Made In The UK

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