

# SuDS Permeable Paving

Sudspave Quarry Bank Mill, Styal, Cheshire, UK



CASE STUDY



## Project Description

In 1784 Samuel Greg managed his cotton mill at Quarry Bank, Styal. Now run by the National Trust, this site has a number of attractions including the most powerful working water wheel in Europe. Large numbers of visitors arrive every day, and overflow car parks were being used extensively, so an extension to the car park was added in 2017.

## The Challenge

The overflow car parking was in fit-for-purpose fields, and as such turned to mud very quickly with daily use, so the National Trust decided to invest in a dedicated parking area. An impermeable tarmac car park would mean creating large volumes of surface water run off during heavy rainfall events. To control this would require either large underground storage tanks, or the creation of surface water features such as ponds and swales. Tanks were deemed risky due to the unknown ground conditions, and surface features required a large land take which would have reduced the available parking. It became clear it would be best to use a permeable surface. A solution had to be found that provided a good running surface while allowing high levels of infiltration through both grass and gravel filled areas.

## Project Information

<b>Client</b>	National Trust
<b>Contractor</b>	P C Casey
<b>Product</b>	Abweb, Abgrid, Terrex, Sudspave
<b>Quantity</b>	4,500m <sup>2</sup>
<b>Benefits</b>	<ul style="list-style-type: none"><li>• Permeable car parking surface</li><li>• High level of infiltration</li><li>• Compatible with grass or gravel finish</li></ul>



ABG Sudspave, Abgrid, Terrex

ABG LTD

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a Bontexgeo Group company



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## The Solution

**ABG Sudspave** was chosen to provide a permeable surface that would allow storm water to infiltrate while maintain a top quality running surface. It also provided flexibility so the bays could be finished with grass or gravel in different areas.

The positive lug and slot connection and flat bottom profile of **Sudspave** means quick and easy installation with no extra fixing or pinning operation required. **Sudspave** can be easily cut on site, so achieving the aesthetically pleasing curves across the parking bays proved straightforward.

## The ABG Service

ABG provided technical support during the tender period, and attended site to provide installation guidance. Deliveries were scheduled on a just in time basis to avoid filling valuable compound storage on site.



Easy to connect units with positive lug and slot.



Rootzone bedding and cell infill promotes excellent grass growth.



Supplied pre-assembled sets of four.

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