



# Case Study

## Total Traffic Exopave (TTE)

### National Trust Fell Foot

#### **Location:**

Newby Bridge  
Ulverston  
Cumbria  
LA12 8NN

#### **Client:**

National Trust

#### **Project:**

National Trust Fell Foot



#### **Contractor:**

I. T. Shaw & Son Ltd

#### **Consultant:**

Iteriad Ltd

#### **Installer:**

I. T. Shaw & Son Ltd

**The National Trust enlisted Geosynthetics Ltd to oversee their 'Boathouse Project' at Fell Foot, Lake Windermere. The requirement for this project was to restore the original arboretum, gardens and pathways, to improve the vehicle access and car parking facilities to the popular site. National Trust identified that the original boat trailers on site needed to be moved to a new location. The grass area adjacent to the project site was identified, however this area needed to be reinforced.**

During the project Iteriad Architects worked alongside Geosynthetics Ltd to oversee the developments on site. Geosynthetics Ltd developed a Technical Recommendation through their Engineering department. They found that underlying drainage, a slope and risk of flooding from the Lake were factors to consider.

After detailed planning and assessments, Geosynthetics Ltd identified that TTE (Total Traffic Exopave) a heavy-duty paver for HGVs should be used on site to make it suitable for all vehicles up to HGVs. Once the solution and product



was agreed, work commenced on site where Geosynthetics Ltd were able to provide further solutions for the sub-base specification and recycling of the excavated soil.

The strength and ability of TTE made it an ideal solution for this project both in terms of the range of vehicles using the surface and the falls on site. After germination, TTE enabled the surface to be used while the grass established. Costs were saved on this project by installing a mixture of onsite soil and stone.

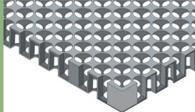
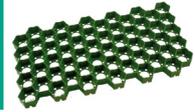
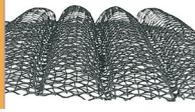
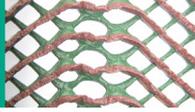
#### **Geosynthetics Limited**

Fleming Road  
Harrowbrook Ind. Est  
Hinckley  
LE10 3DU  
Tel. 01455 617 139  
sales@geosyn.co.uk  
www.geosyn.co.uk

***The technical team at Geosynthetics provided a range of options with the Trust ultimately opting for the heavier duty TTE product with associated geotextiles. On-going support and advice was provided during various stages of construction to ensure a successful delivery. We are really pleased with the way in which the surface is performing and the outcome was above satisfactory.***

Tom Slater - Project Manager



<p><b>2 in 1</b> Landscaping Fabric</p> 	<p><b>Gas Membrane</b> Radon, CO2, Methane, Hydrocarbon Control</p> 	<p><b>RoofCell</b> Sub Surface Drainage And Water Storage</p> 
<p><b>Alert®</b> Contamination Indicator</p> 	<p><b>Geoglas®</b> Asphalt Reinforcement</p> 	<p><b>Stratagrid</b> Soil Reinforcement Geogrid</p> 
<p><b>AquaBlock®</b> Water Containment Liners</p> 	<p><b>Geomembrane</b> Impermeable Membrane</p> 	<p><b>Strataweb</b> Slope Stabilisation</p> 
<p><b>Bentotex® GCL</b> Geosynthetic Clay Liner</p> 	<p><b>Golpla</b> Grass &amp; Gravel Paving System</p> 	<p><b>T-Block</b> Modular Retaining System</p> 
<p><b>Cellweb® TRP</b> Tree Root Protection</p> 	<p><b>Golpla Pregrown</b> Ready To Lay Paving System</p> 	<p><b>Telegrid</b> Woven Polyester Geogrid</p> 
<p><b>DuoDrain®</b> Composite Drainage Product</p> 	<p><b>Interlock</b> Extruded HDPE Geogrids</p> 	<p><b>Televev</b> High Strength Woven Geotextile</p> 
<p><b>Erosion Control</b> Comprehensive Range</p> 	<p><b>Knotblock®</b> Japanese Knotweed Barrier</p> 	<p><b>Tenax</b> Soil Reinforcement Solutions</p> 
<p><b>Ekotex®</b> Non Woven Geotextile</p> 	<p><b>Landlok</b> Turf Reinforcement Mat</p> 	<p><b>Total Traffic Exopave</b> Heavy Duty Paver</p> 
<p><b>Fiberforce®</b> Equestrian Geotextile</p> 	<p><b>Nicospan</b> Erosion Control</p> 	<p><b>Trinter</b> Erosion Control Mat</p> 
<p><b>Fibertex</b> Non Woven Geotextile</p> 	<p><b>Rhyno®</b> Woven Geotextile</p> 	<p><b>Turfmesh</b> Grass Reinforcement</p> 
<p><b>Flexitex</b> Textile Shuttering</p> 	<p><b>RockBox</b> Gabion Mattresses</p> 	<p><b>RootBlock</b> Root Barrier</p> 