

# GEOfabrics®

Geofabrics Limited is a British manufacturing company established in 1992. From the outset the objective was to manufacture high-performance geotextiles to a high-quality standard. The Company's ethos is to exceed the expectations of customers with products and support services. Product development is achieved by analysing the customer's application, determining the properties that are required, manufacturing the solution and testing it to confirm that it meets the requirements. Today, the company not only manufactures class-leading geotextiles for landfill engineering, but also geocomposites for applications in railways, coastal engineering, brownfield site remediation and infrastructure development.

## **Our Products:**

Today the company manufactures a diverse portfolio of world class leading geotextiles, cuspates and geocomposites, supplied into a wide range of civil engineering applications.

**Geotextiles:** Geofabrics geotextiles were conceived with optimum performance in mind i.e. maximum performance for minimum weight. Rather than offering products with specific unit weights, individual grades are manufactured to achieve performance-related values. When designing with a geotextile it is the mechanical and hydraulic properties that are the most important, not weight, to achieve value engineering – the least material to perform the design function(s). The main characteristics that prompt engineers to specify Geofabrics' products time and again are their robustness – any damage to a geotextile is more likely to be generated during installation, not in service – and their proven ability to provide sustained protection, separation and filtration in the harshest conditions. Whether it's as a filter beneath rock armour on the Atlantic coast or as a protector at the base of a deep landfill sitting in toxic leachate. Geofabrics' geotextiles have a long track record of unrivalled performance.

## **Typical applications:**

- Erosion protection
- Gabion filter
- Contamination layer
- Pond liner protection

- Bridge deck protection

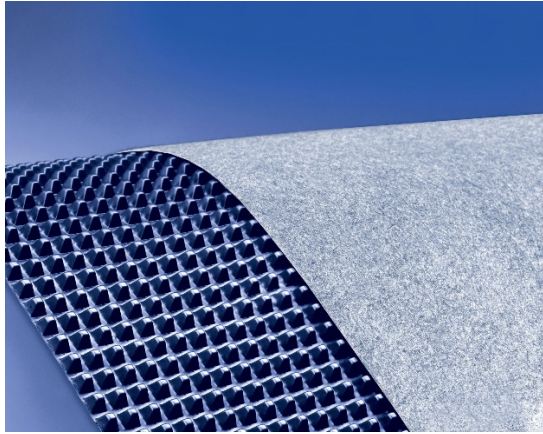
**Drainage Geocomposites:** GEOfabrics manufactures a broad spectrum of multi layer drainage geocomposites using a state of the art production facility. These are produced by bonding carefully selected components to form a multifunctional range of composite products. GEOfabrics manufacture from optimum quality high density polyethylene, which is extruded into a range of different thickness HDPE membranes at our UK manufacturing headquarters. These impermeable membranes are vacuum formed into geocuspated cores between 6mm and 25mm thick, depending on the mechanical and hydraulic properties required. This process allows us to control quality from polymer source through to finished cusped drainage core. Our standard range of drainage composites can be bonded to a large number of filter or protection geotextiles, on one or both sides, in order to achieve the correct balance of functions required.

**Typical applications:**

- SUD's
- Retaining Wall and Bridge Abutments
- Highway fin drains replacement
- Podium decks
- Tunnel lining
- Underground Reservoirs
- Structural drainage (Basements and foundation layers)

## Products

FC6



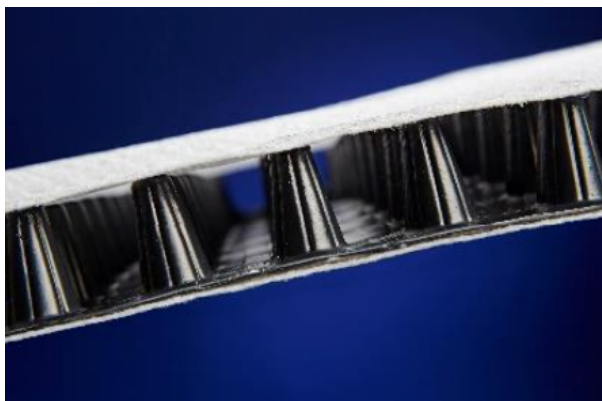
FC12



FC25



FCF25





**1773**

Independently audited laboratories that operate in line with UKAS methodology, policy and audits to provide accurate performance information



The ISO 9001 management system uses customer feedback, continuous assessment and independent auditing to drive both improvement and the control required for a professional and



Geofabrics ltd manufactures CE and UKCA marked products that meet the construction directive