Landfill Basal Protection
Geofabrics HPS17

Another successful example of Geofabrics HPS17 installed as the protection geotextile of choice at Erin Landfill Site, the former colliery site Duckmanton near Chesterfield. The HPS17 formed part of the large cell construction consisting of 40,000m² of the material.

The site also involved installation of 1000m of deep water drainage and 118,000m² of geosynthetics membrane. Together with 1000m of fully-welded leachate pipework and 14,000 tonnes of drainage stone.

Geofabrics HPS17 is a thick needle punched non-woven geotextile manufactured from 100% virgin polypropylene high tenacity fibres containing 1% active carbon black. The main functions of HPS17 is to protect the geomembrane from puncture, ultraviolet degradation, thermal and localised stress concentrations.

For more information on our Landfill Products please contact our Sector Manager Gavin O’Brien – Landfill Engineering (UK & Ireland) – gobrien@geofabrics.com

Project Information

<table>
<thead>
<tr>
<th>Location</th>
<th>Erin Landfill Site, Duckmanton</th>
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<tbody>
<tr>
<td>Product</td>
<td>HPS17 Geotextile (6m x 50m)</td>
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<tr>
<td>Contractor</td>
<td>Jones Brothers</td>
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<tr>
<td>Installation Date</td>
<td>August/September 2019</td>
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The benefits of using Geofabrics HPS17:

- **Easy installation** – 6m wide rolls
- **Manufactured for performance** – high tenacity fibre
- **Isotropic properties** – Strength in all directions
- **UV Stabilised** – Active carbon black
- **100% virgin polymer Fibres** – 100 years durability