Lower Melville Wood Landfill Site
Landfill Basal Protection – HPS 19

**Project Information**

<table>
<thead>
<tr>
<th>Location</th>
<th>Lower Melville Wood Landfill, Fife</th>
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<tbody>
<tr>
<td>Product</td>
<td>HPS19 Geotextile (6m x 50m)</td>
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<tr>
<td>Contractor</td>
<td>CT Lining Ltd</td>
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<tr>
<td>Installation Date</td>
<td>August 2019</td>
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HPS19 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 the HPS19 is to protect the geomembrane from puncture, ultraviolet degradation, thermal and localised stress concentrations.

The HPS19 is also installed to protect the liner from stresses, puncture and penetration from the overlying drainage media and waste; both short term dynamic loadings and long-term static loadings. A protective material must protect the geomembrane through the permanent distribution of concentrated stresses on the geomembrane.

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

**Benefits of using GEOfabrics HPS19:**

- 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