

Case Study

Strataweb 200mm & Treetex Pollution Control Geotextile Mill Hill, Peasenhall, Suffolk



Location:

Opposite Oak View Mill Hill
Peasenhall
IP17 2LH



Client:

Martyn Burnside
Swan Gallop

Contractor:

Jacob Williams

Planning Authority:

Suffolk County Council

Project:

Strataweb Load Bearing

Swan Galllop contacted Geosynthetics Ltd, due to their site at Mill Hill in Peasenhall having extremely poor granular ground conditions (CBR 1%). Geosynthetics Ltd Engineering Team ran calculations and proposed a technical solution.

A full technical recommendation was drawn up by our in-house Engineering team, who calculated our Strataweb 200mm System, with a 60mm subbase would be the best solution. Swan Gallop advised that the maximum traffic loadings will be up to thirty tonnes during construction. Usually, our Strataweb 150mm would cater for this loading, however due to poor ground conditions the Strataweb 200mm which caters up to sixty tonnes of gross vehicle weight accommodating construction traffic would be more suited.

As this needed to be constructed before work began on site, we provided a cross section for during and after construction. During construction a 50mm overfill was put forward to act as a surface and once construction was complete, we recommended they scrape back 25mm of the 4/20mm clean angular stone, lay a separation geotextile and the clients required surface on top (resin bound gravel). This made sure that the finished surface was not damaged during the construction phase on site.

Using our Strataweb 200mm they were able to minimise the sub-base build-up and achieved a more levelled surface while maintaining permeability. We were able to run the site and product specific calculations earlier than scheduled and supplied the site within 48 hours of receiving the order. This meant that there were no delays on site and the contractor finished the job on time.



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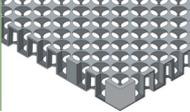
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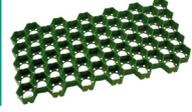
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Comprehensive Range



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Soil Reinforcement Solutions



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Erosion Control Mat



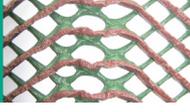
Fibertex
Non Woven Geotextile



Rhyno®
Woven Geotextile



Turfmesh
Grass Reinforcement



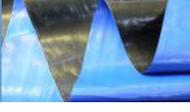
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