Case Study
Ekotex® 10
A13 Road Widening Project

The A13 road corridor in Essex is a vital part of the transport network in South East England and is currently operating over capacity with approximately 77,000 vehicles using this section of road every single day.

In order to improve journey times and support economic growth in this area Thurrock Council therefore embarked on a project to widen the A13 between Orsett and Stanford-le-Hope by adding an additional lane in both directions , replacing four bridges and improving drainage. This road improvement scheme costing £79 million is part of a £4 billion planned investment in jobs, homes and infrastructure in the Thurrock area.

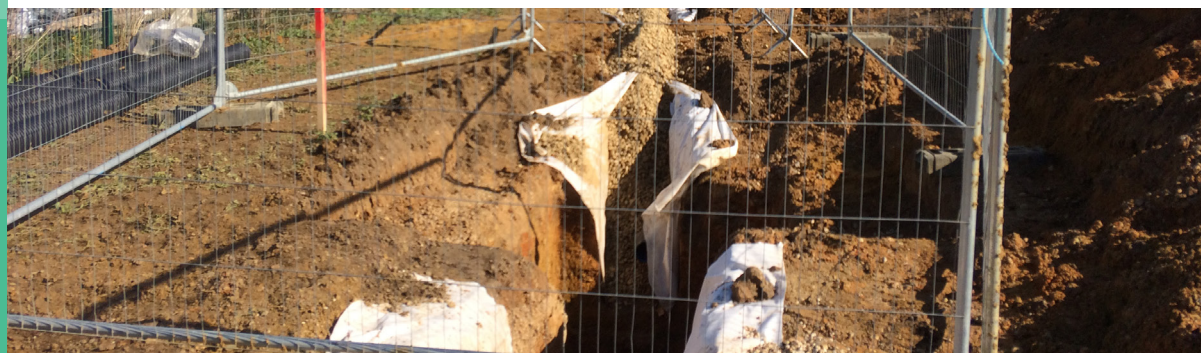
The selected contractor for this project, who is a major UK construction and infrastructure services company employing over 20,000 staff, consequently had requirements for a geotextile to encapsulate roadside drainage ditches.

Soils in this area are typically loamy or clayey, with clay enriched subsoil. A geotextile with high tensile strength properties compared to conventional separator fabrics, combined with high permeability and small pore size was therefore required.

Ekotex® 10 non-woven geotextile was selected as it satisfies these requirements by allowing roadside drainage to flow freely whilst also restricting the fine clay particles within surrounding soils from impeding water flow, and also complied with the stipulation for fabric weight to be minimum 140gm/m^2.

Ekotex® 10 non-woven geotextile is one of a wide range of geotextiles which are held in stock at Geosynthetics central warehouse located at Hinckley, Leicestershire , all of which are available for next day delivery.

Ekotex® 10



Geosynthetics Limited
Fleming Road
Harrowbrook Industrial Estate
Hinckley
LE10 3DU

T: 01455 617 139
sales@geosyn.co.uk
www.geosyn.co.uk

Geosynthetics
Engineered Solutions

WWW.GEOSYN.CO.UK

01455 617 139

2 in1
Landscaping Fabric

Alert®
Contamination Indicator

AquaBlock®
Water Containment Liners

Bentotex® GCL
Geosynthetic Clay Liner

Cellweb® TRP
Tree Root Protection

DuoDrain®
Composite Drainage Product

Erosion Control
Comprehensive Range

Ekotex®
Non Woven Geotextile

Fiberforce®
Equestrian Geotextile

Fibertex
Non Woven Geotextile

Flexitex
Textile Shuttering

Gas Membrane
Radon, CO2, Methane, Hydrocarbon Control

Geoglas®
Asphalt Reinforcement

Geomembrane
Impermeable Membrane

Golpla
Grass & Gravel Paving System

Golpla Pregrown
Ready To Lay Paving System

Interlock
Extruded HDPE Geogrids

Knotblock®
Japanese Knotweed Barrier

Landlok
Turf Reinforcement Mat

Nicospan
Erosion Control

Rhyno®
Woven Geotextile

RockBox
Gabion Mattresses

RoofCell
Sub Surface Drainage And Water Storage

Stratagrid
Soil Reinforcement Geogrid

Strataweb
Slope Stabilisation

T-Block
Modular Retaining System

Telegrid
Woven Polyester Geogrid

Televev
High Strength Woven Geotextile

Tenax
Soil Reinforcement Solutions

Total Traffic Exopave
Heavy Duty Paver

Trinter
Erosion Control Mat

Turfmesh
Grass Reinforcement

RootBlock
Root Barrier

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
CERTIFICATE NO. 11161 ISO 9001:2008

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
CERTIFICATE NO. 11161 ISO 14001:2004

Link-up empowered by Achilles Registered

riba product selector

INVESTORS IN PEOPLE | Bronze

Geosynthetics Limited | Fleming Road | Harrowbrook Ind Est | Hinckley | Leicestershire |LE10 3DU