

International Geosynthetics Society

United Kingdom Chapter



IGS/Thames Valley Group of the Geological Society

JOINT MEETING

Tuesday 22nd January 2008

Department of Earth Sciences, Royal Holloway University of London,
Egham, Surrey TW20 0EX,

6.30pm for 7.00pm

THE USE OF GEOTEXTILES IN CONSTRUCTION OVER SOFT GROUND

Kevin Raven & Peter Assinder
(Hyder Consulting & Huesker Limited)

When designing a construction programme over soft/very soft ground, consideration has to be given to gaining access onto site and the ability to maintain stable temporary works structures. It is not just the permanent works that have to take into account the poor ground conditions during the design process.

The presentation will cover the use and benefits of geosynthetics within the design and construction of haul/access roads and working platforms over large tracts of soft ground. The use of geosynthetics in permanent works solutions, relevant to an earthworks structure over extensive soft ground, shall also be discussed.

Biographies:

Kevin Raven has over 25 years experience in geotechnical engineering both as a Contractor and Consultant and has extensive experience of working with geosynthetics on applications including retaining walls, steepened slopes, erosion protection, pavements, working platforms and haul roads. As a Technical Director for Hyder Consulting, one of his areas of responsibility is for highway geotechnics in Ireland, where soft ground and peat bogs form a major consideration for earthworks design.

Peter Assinder has 15 years experience in geotechnical engineering both as a contractor and consultant. More recently he has specialised within the geosynthetics sector of civil engineering and is currently an applications engineer for Huesker Limited, working with consultants and contractors promoting the use of, and designing with geosynthetics for a variety of civil engineering applications. Predominantly this work involves reinforced soil structures including basal reinforcement for embankments, void spanning, pile spanning and steep slopes.

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The IGS UK Chapter is a
member of the Ground Forum