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GNA – the World’s Leading Source of Geosynthetics News & Technology

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Geosynthetic Technology, business and innovation news, analysis and insight. Get the latest geosynthetic engineering news and jobs across all engineering sectors and disciplines

Tight Geosynthetic Material Supply Affects Some Landfill Projects

Longer lead times on orders for landfill liners have been driven by an increase in demand for geosynthetic materials.

<https://www.waste360.com/landfill/tight-geosynthetic-material-supply-affects-some-landfill-projects>

ExcelPlas Labs Offer New Rapid Test for Determining Stress Crack Resistance of Geomembranes (in Hours Instead of Weeks)

<https://cloud.excelplas.com/index.php/s/HHSD33cl2f5lBud/download>

How to Seam Geosynthetic Clay Liners (Agru America) (New Video)

https://www.youtube.com/watch?v=_yZQuKbv-z0

A Multi-camera Based Photogrammetric Method for Accurate Three-Dimensional Full Field Displacement Measurements of Geosynthetics in the Tensile Test

<https://trid.trb.org/view/1573021>

New AGRU Video on The Growing Applications of Geosynthetics

Todd Harman, President at Hallaton shares insight into the growing applications of Geosynthetics.

<https://www.youtube.com/watch?v=9X4lpRUYTxQ>

REE Continues to Build Reputation as the Mine Haul Road Experts

<https://reearthengineering.com.au/ree-continues-to-build-reputation-as-the-mine-haul-road-experts/>

Safe Construction of Tailing Dams (VIC) Seminar & Webinar for GNA Readers (30th May 2019)

Speakers: Prof. David Williams (Golder Professor, UQ), Marc Amtsberg (Geofabrics), Chris Lawson (TenCate Geosynthetics)

<https://www.engineersaustralia.org.au/event/2019/03/infrastructure-thought-leaders-series-safe-construction-tailing-dams-vic>

Chinese Lodge US Patent for Geomembrane Leak Detection System

<https://patentimages.storage.googleapis.com/c6/3b/5e/b676d676bceefb/US20190056287A1.pdf>

Chinese Lodge US Patent for Conductive Geotextiles and Geocomposites

<https://patentimages.storage.googleapis.com/8d/b7/8c/9174e34574d9b2/US20190055710A1.pdf>

Concrete Canvas Nominated for Construction Award

<http://www.bqlive.co.uk/wales/2019/02/27/news/innovation-100-construction-wales-nominee-concrete-canvas-35085/>

Barrier Performance of GCLs to Copper Chloride Solutions

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jenge.18.00024>

Interview with Tamara Jurado, Senior Sales Manager for Atarfil

<https://www.waste360.com/landfill/tight-geosynthetic-material-supply-affects-some-landfill-projects>

Geosynthetics Failure Laboratory Formally Opens

Melbourne, 6 March 2019: ExcelPlas has opened a failure analysis facility in Melbourne, Australia which will provide failure analyses that support the geomembrane and wider geosynthetics industry in conducting effective and efficient root cause analyses. The aim is to prevent and learn from geosynthetics failures and continue to improve safety, reliability and up-time. The facility will carry out the crucial initial steps of a failure investigation, which could include visual inspection, non-destructive testing [NDT], destructive testing [DT], representative sampling, cutting of components, etc. The facility will be supported by ExcelPlas' very experienced team of polymer experts who are able to carry out further analyses, which may include fractography (scanning electron microscopy), mechanical testing, chemical analysis, etc. as well as draw on experience from several 1,000 failure analyses carried out in the ExcelPlas Labs over the past 25 years. The facility consists of a large warehouse to support receiving, inspecting, and storing large geomembrane rolls, GCLs and other failed components, as well as office space and other facilities. There is much to be gained from geosynthetic manufacturers and end users performing failure investigations and root cause analyses as it provides better insight on why liners, geotextiles and other geosynthetic components have failed and how failures can be prevented in the future, enhancing safety, reliability and saving costs. For our customers, we routinely conduct incident reports and independent forensic failure analysis of

HDPE geomembrane liners, GCLs and other polymeric components. We know first hand that HDPE liner failure can result in loss of containment, environmental spills, loss of production and ultimately in costly litigation and damages. In addition, these failures can cause service interruption, safety concerns and loss of brand credibility. For these reasons, we believe that condition monitoring and failure analysis of geosynthetic liners must be standard practice for the market. We strive to determine an exact cause of failure, and develop remediate, corrective actions to prevent recurrence.

<https://www.youtube.com/watch?v=08z35lAdYLM>

Global Synthetics Seeking Business Development Manager for Perth

<https://www.seek.com.au/job/38345751?searchrequesttoken=b331c557-2827-4c2b-b728-456be198ebea&type=standout>

Cyclic Plate Testing of Geosynthetic Reinforced Airfield Pavements

<https://trid.trb.org/view/1572244>

Finite Element Parametric Study on Rutting Performance of Geosynthetic Reinforced Flexible Pavements

<https://trid.trb.org/view/1572248>

FILTRATION AND CLOGGING BEHAVIOUR OF NONWOVEN GEOTEXTILES

<https://search.proquest.com/openview/defa25ee733b6da1d0ce55fa4ebd86af/1?pq-origsite=gscholar&cbl=1536338>

Advances of a New Wicking Geotextile with Lateral Drainage Capabilities in Roadway Applications

<https://trid.trb.org/view/1572260>

Prefabrication Vertical Drain for Soft Soil Consolidation

https://www.researchgate.net/profile/Ranjit_Turukmane/publication/.../Prefabrication-vertical-drain-for-soft-soil-consolidation.pdf

Evaluating Hydraulic Compatibility of Geotextile and RCA in Underdrain Systems Under Turbulent Flow Regime

https://www.researchgate.net/profile/Aiyoub_Abbaspour/publication/.../Evaluate-Hydraulic-Compatibility-of-Geotextile-and-RCA-in-Underdrain-Systems-Under-Turbulent-Flow-Regime.pdf

Physical Model Study on Geotube with Gabion Boxes for the Application of Coastal Protection

<https://link.springer.com/article/10.1007/s12517-019-4312-5>

Hydrodynamic and Geotechnical Stability of GeoTube and Gabion Armored Embankments

<https://ieeexplore.ieee.org/abstract/document/8604872>

Investigation of Aggregate Particle and Geogrid Aperture Sizes for Mechanical

Stabilization Using Bender Element Shear Wave Transducers

<https://trid.trb.org/view/1572246>

New Laboratory Study on Pull-Out Resistance of Geogrid in Clay Soil

<https://www.sciencedirect.com/science/article/pii/S026322411930185X>

Analysis of the Effect of Geocell Reinforcement above Buried Pipes on Surface Settlement and Vertical Pressure

https://www.researchgate.net/profile/Mohammed_Fattah/publication/.../Numerical-Analysis-of-the-Effect-of-Geocell-Reinforcement-above-Buried-Pipes-on-Surface-Settlement-and-Vertical-Pressure.pdf

A Case Study of Rail Track Rehabilitation with Geogrids

<https://www.mdpi.com/2412-3811/4/1/8/pdf>

Clock is Ticking on Andover Landfill – and Chemicals are Leaking

<http://m.startribune.com/index.php/clock-is-ticking-on-andover-landfill-and-chemicals-are-leaking/506400592/>

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- GNA is now the most read source of Breaking News on Geosynthetics Worldwide
- Since GNA is published up to 12 times per month, no other source of Geosynthetic Industry News comes close to being as current and up-to-date
- In 2017 we have increased readership by 10,000+ through India, Africa and Asia
- Special Advertising Packages Available for Geosynthetic Manufacturers, Installers, and Service Providers.

ExcelPlas Geosynthetics Testing Expands Geosynthetic Testing Offerings

ExcelPlas now performs more than 120 standard geosynthetic tests in accordance with relevant ASTM, GRI and ISO standards.

We have extensive experience with all types of geosynthetics - from geomembranes (HDPE,

LLDPE, fPP), geotextiles to geonets, geogrids, geocomposites and and geosynthetic clay liners (GCLs).

As a Nationally Accredited Testing Laboratory, our technicians, equipment and quality system are monitored regularly for proficiency and compliance assuring that you can count on quality results every time.

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Among GNA's objectives are:

- To promote and educate on the development of specifications and practices that help ensure the proper use of geosynthetics.
- To locate, interpret and disseminate new scientific research to manufacturers and users of geosynthetic materials.
- To enhance the knowledge and awareness of contemporary geosynthetic technologies amongst specifiers, users and installers.

? GNA – World's Leading Source of Breaking News on Geomembranes, Geotextiles and other Geosynthetics

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<http://www.excelplas.com/>

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