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GNA – Premier Source of Global Geosynthetic Trends and Geosynthetic Market Specific Intelligence

AGRU America Podcast on Risk-based Design in Geosynthetics | Part 3

<https://soundcloud.com/agru-america/risk-based-design-in-geosynthetics-part-3>

<https://agruamerica.com/risk-design-geosynthetic-systems/>

Chilean Company Comes to Australia Offering Leak Location of HDPE Geomembranes

<http://tetramin.com/en/index.php/services/detection/>

Contact: Global Business Manager Hrvoj Hrzcic: hrzcic@tetramin.com

Assessing Remaining Service Life of HDPE Geomembranes (How Long Will My liner Last?)

ExcelPlas has developed Protocol for Determining the Remaining Service Life of an Already Exposed HDPE Geomembrane Liner

The 5 step protocol is based on lab testing to measure the following:

- I. The oxidative induction time (OIT) profiling to assess whether or not oxidation protection is still afforded by the additives.
- II. Measure the carbonyl index (CI) to assess extent of any polymer oxidation that has occurred.
- III. Determine the critical CI at which stress cracking (SC) is initiated.
- iV. Measure stress cracking resistance (SCR) to determine the time until SC is initiated.
- V. Measure the depth of micro cracking on 180 degree bent coupons by Scanning Electron Microscopy

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

Modelling of Vapour Intrusion into a Co-extruded EVOH GEOMEMBRANE BARRIER Impacted by a Fuel Spill in Antarctica

Co-extruded EVOH vapour barrier was superior at protecting indoor air quality.

<https://www.sciencedirect.com/science/article/pii/S0301479718308557>

Tensar Patents New Geogrid made from a Coextruded Multilayered Polymer

<https://patents.google.com/patent/US20180298582A1/en>

Geotechnical Modelling of a Reinforced Tailings Dam in the Peru

<https://www.politesi.polimi.it/handle/10589/142636>

Basell Patents New HDPE Having High Stress Cracking Resistance

<http://www.freepatentsonline.com/10113017.pdf>

Alternate Procedures for Swell Index Testing of Granular Bentonite from GCLs (New ASTM Publication)

https://www.astm.org/DIGITAL_LIBRARY/JOURNALS/GEOTECH/PAGES/GTJ20180075.htm

Professor Malek Bouazza Twice Honoured at the International Geosynthetics Society Award Ceremony

<https://www.monash.edu/engineering/about-us/news-events/latest-news/articles/2018/prof-malek-bouazza-twice-honoured-at-the-international-geosynthetics-society-award-ceremony>

The Use of Geocells Reinforcement to Improve the Structural Performance of the Railway Track Beds in the UK

https://www.researchgate.net/profile/Mohamed_Wehbi/publication/.../The-use-of-Geocells-reinforcement-to-improve-the-structural-performance-of-the-railway-track-bed-in-the-UK.pdf

Load and Deformation Mechanisms in Geosynthetic-Reinforced Piled Embankments

<https://link.springer.com/article/10.1007/s40891-018-0150-x>

Shoretac Patents Novel Geosynthetic Revetment Liner

<http://www.freepatentsonline.com/10113285.pdf>

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- 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+ though 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

This Newsletter is brought to you by ExcelPlas Labs ? Australia's Largest group of Geosynthetics Testing Labs.

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

GNA is currently sent to over 7500 Geosynthetic Industry Members Globally every week.

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