

# September 2019 Vol. 2

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## GNA - The World's Most Viewed Online Geosynthetics Bulletin

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NEWSMAKERS: \* AGRU \* Atarfil \* BMI \* Concrete Canvas \* Geofabrics \* Geotas \* Golder \* Leister \* Maccaferri \* TenCate \* Teranap

**Atarfil Geomembrane Gaining Significant Market Share WITH Combination of Outstanding Stress Crack Resistance and Cost Effectiveness**

<https://www.atarfil.com/producto/atarfil-hd/?lang=en>

**Understanding the Installation Guidelines for HDPE Liner (Podcast)**

<https://agruamerica.com/understanding-the-installation-guidelines-for-hdpe-liner/>

**Effect of Black and White Color on HDPE Geomembranes and Formation of Wrinkles**

<https://aip.scitation.org/doi/pdf/10.1063/1.5122570?class=pdf>

**Geomembrane with Seam Control (Australian Mining Review)**

<http://australianminingreview.com.au/techtalk/geomembrane-with-seam-control/>

**Extending the Life of Landfill Through Vertical Expansion (by Golder Associates)**

<https://www.golder.com/project/extending-the-life-of-landfill-through-vertical-expansion/>

**Designing Hard-Armored, Flexible Channels with 3D HDPE Geocells (Feature Article)**

<https://csengineermag.com/designing-hard-armored-flexible-channels-with-3d-hdpe-geocells/>

**Comparison of Penetration Sealing Techniques for Polyethylene and Spray Applied Polyurea Geomembranes and Vapour Barriers**

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<https://webcache.googleusercontent.com/search?q=cache:3aMy9elGhyoJ:https://energynow.ca/2019/09/comparison-of-penetration-sealing-techniques-for-polyethylene-and-spray-applied-polyurea-geomembranes-and-vapour-barriers-western-engineered-containment/+&cd=14&hl=en&ct=clnk&gl=au>

- <https://cloud.excelplas.com/index.php/s/MssDLKdSrs2jZks>

**Agru and Leister Exhibiting at World Largest Plastics Fair (K2019)**

- <https://www.agru.at/en/news/latest-news/article/k-2019/>

- <https://www.leister.com/en/anmeldung-k-messe>

### **Dewatering With Geotube® Versus Belt Press – Which One Wins?**

<https://bishopwater.ca/geotube-vs-beltpress/>

### **TenCate Offering Free Consulting Services for Geotube™ Design and Applications**

<https://www.tencategeotube.com/en/technical-info/design-guidelines>

**Concrete Canvas Heading to Tank Storage Asia, important expo for the Asian bulk liquid storage industry, will host over 60 of the sector's most cutting-edge businesses when it returns to Singapore's Marina Bay Sands Expo & Convention Centre on 25 and 26 September**

<https://www.hydrocarbonengineering.com/tanks-terminals/04092019/tank-storage-asia-gearing-up-for-return/>

### **Blue Mountains Maccaferri Rockfall Protection Video (Geofabrics Australia)**

<https://youtu.be/4k24aKfdsTc>

### **Bright Waste Water Treatment Plant - North East Civil Construction & Geomembrane Installation**

<https://www.necivilcon.com.au/8-services/5-bright-waste-water-treatment-plant.html>

### **Paris Geosynthetics Conference 2019 a Fake**

<https://www.conferenceindex.org/event/international-conference-on-geosynthetics-engineering-and-ground-improvement-icgegi-2019-september-paris-fr>

### **Measurement of Role of Transverse and Longitudinal Members on Pullout Resistance of PET Geogrid**

<https://www.sciencedirect.com/science/article/pii/S0263224119308103>

### **Weak Subgrade Treatment Using Geogrid Reinforcement**

In order to demonstrate and quantify the benefit of geogrid reinforcement in improving the bearing capacity of weak subgrades, a full-scale laboratory, as well as two recent full-scale instrumented field trial beds, were constructed and evaluated by the authors; one in Germany and another one in Australia. In each project the variation in observed in-situ bearing capacity and the modulus parameter was evaluated over a series of variants, including geogrid strength/stiffness, geogrid combination, thickness and quality of cover materials. The results demonstrate a clear improvement in the bearing capacity of the geogrid reinforced section when compared to the unreinforced sections. Similarly, the reinforced trial beds exhibited a considerable reduction in the vertical deformation and lower magnitudes of normal stress being transferred to the underlying weak subgrade were observed. The results also demonstrated a clear influence of the strength parameter of the geogrids on the performance of the geogrid reinforcement.

<https://trid.trb.org/view/1647567>

### **Evaluation of the Cracking Performance of Geogrid Reinforced Hot-Mix Asphalt for**

## **Airfield Applications**

<https://rdw.rowan.edu/cgi/viewcontent.cgi?article=3721&context=etd>

## **Mechanical Properties of Recycled Concrete Aggregate and Recycled Asphalt Pavement Reinforced with Geosynthetics**

<https://trid.trb.org/view/1593924>

## **NAUE Launches the very first product from the NAUE GreenLine - Secutex® Green Geotextile**

This eco-friendly nonwoven geotextile is made from renewable raw materials is also bio-degradable

<https://www.naue.com/secutex-green-eco-friendly-geotextile-the-very-first-product-from-the-naue-greenline/>

## **Innovative Geotextile Drain Filter Installed on M56**

Drains along a 1km stretch of the M56 motorway in Cheshire have been lined with special granules that treat toxic metals to protect nearby watercourses from pollution

<https://www.theconstructionindex.co.uk/news/view/innovative-drain-filter-installed-on-m56>

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- 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

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Any news requests should be sent to [john@excelplas.com](mailto:john@excelplas.com)

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