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Author : GNA

GNA - The Most Widely Read Online Geosynthetics Publication *Reaching more Players in the Geosynthetic Industry*

NEWSMAKERS: * Axter * BGM * Coletanche Solar™ * Concrete Canvas * FLI * ExcelPlas * FGI * GCCM * GNA * Gripple * IGS * Liner-Lock™ * NAUE * Reuters * Rio Tinto * SDG (China) * Shandong Dajin Geosynthetics * TCS Geotechnics * TenCate * Tim Stark

INDUSTRY NEWS

Concrete Canvas Wins at Inaugural Wales STEM Awards

<https://www.concretecanvas.com/concrete-canvas-wins-at-inaugural-wales-stem-awards/>

Lake Francis Dam Maintenance with GCCM

<https://geosyntheticsmagazine.com/2020/12/11/lake-francis-dam-maintenance-with-gccm/>

Introducing Coletanche Solar™ - Rio Tinto Installs Bituminous Geomembrane (BGM) with Flexible Solar Cells

For the first time, a bituminous waterproofing geomembrane with flexible photovoltaic modules has been installed. This solution allows reusing areas such as closed landfills or industrial wastelands while providing clean renewable energy. 3500m² of Coletanche XP have been installed, topped by 1170 flexible photovoltaic modules for a total of 130 kWp for Rio Tinto Mining Company.

<https://www.linkedin.com/feed/update/urn:li:activity:6742385849394044928>

Australian Engineers Design Irrigated Composite Liners for Fast Hydration and Prevention of Thermal Desiccation of Geosynthetics Clay Liners

<https://www.sciencedirect.com/science/article/abs/pii/S0266114420300832>

Russian Scientists Create Self-Healing Geosynthetics

<https://sputniknews.com/science/202012171081491311-russian-scientists-create-self-healing-roads-made-of-garbage/>

FLI Global Becomes Founding Member Of New IGS Foundation

<https://www.fli-group.com/about-us/latest-news/fli-global-becomes-founding-member-igs-foundation>

Reuters Photo of Geotextile Covering Glacier Considered Photo of the Year on Role of Geosynthetics to Combat Climate Change

<https://cloud.excelplas.com/s/QCyQUcjAdTVV3bZ>

GOMEMBRANES

How to Avoid The Traps and Pitfalls in Purchasing Geomembranes (Video)

<https://www.youtube.com/watch?v=mGW7lmaVT7I>

Best Practice Principles of HDPE Geomembrane Welding from NAUE (WATCH NOW)

<https://webinar.naue.com/basic-principles-of-carbofol-hdpe-geomembrane-welding/>

Tim Stark Video Podcast - Episode-22-Panel-Discussion-Subgrade-Prep-CQC/CQA (LISTEN NOW)

<https://anchor.fm/fji/episodes/Episode-22-Panel-Discussion-Subgrade-Prep-CQCCQA-enrs3f>

Environmental Protection Inc. Shares Tips on Cold Weather Installation of Geomembranes

<https://geosyntheticsmagazine.com/2020/12/10/environmental-protection-inc-shares-tips-on-cold-weather-installation-of-geomembranes/>

Liner-Lock™ Self-Sealing Anchoring System for Geomembranes to Prevents Uplift or Draw Down Movements

<https://www.gripple.com/products/civil-construction/liner-lock/>

GEOTEXTILES

Are you Specifying and Using the Correct Separation Geotextiles? Online (28TH JANUARY 2020)

Ian Fraser is currently Technical Director with TCS Geotechnics and Treasurer/Officer of the International Geosynthetics Society (IGS). He is a geotechnical engineer with over 30 years of experience in geotechnical consultancy, specialist geotechnical contracting and geosynthetics system design, supply and construction. Ian has accumulated extensive experience of the geosynthetics industry via senior roles with some of its key players.

<https://www.igs-uk.org/>

Coastal Protection with Geotextile Sand Containers (WATCH NOW)

<https://webinar.naue.com/coastal-protection-with-geotextile-sand-containers/>

NEW RESEARCH

Review of Application and Innovation of Geotextiles in Geotechnical Engineering

<https://www.mdpi.com/1996-1944/13/7/1774/pdf>

Cyclic Shear Behaviour of GMB/GCL Composite Liner

<https://www.sciencedirect.com/science/article/abs/pii/S0266114420301424>

Global and Local Sand–Geosynthetic Interface Behaviour

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jgeot.19.P.109>

Shear Behaviour of Canadian Marine clay/Geomembrane Interface Under Freeze–Thaw Cycles

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jenge.15.00055>

Changes in Physical Properties of Geosynthetic Materials under the Action of Chemical Media

<https://aip.scitation.org/doi/pdf/10.1063/5.0032413>

GNA Provides a Glimpse at the Latest Products and Innovations Entering the Geosynthetics Market Today

GNA helping you identify trends, drivers and barriers in the geosynthetics space

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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.

Any news requests should be sent to john@excelplas.com

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