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

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INDUSTRY NEWS

GNA Listed As Media Partner of Geosynthetic Research Institute (GSI)

<https://geosynthetic-institute.org/>

Breaking News – Polyfabrics Acquired by Jaybro Group Effective 7th January 2021

<https://cloud.excelplas.com/s/9P4vEJfjD7jDXZb#pdfviewer?>

New Concrete Fabric™ GCCM with Competitive Price Point from USD\$16/m2 Landed

<https://cloud.excelplas.com/s/IHZeYwMUXnckEve#pdfviewer?>

Cortex Composites Granted New Overarching U.S. Patent for GCCM

<https://cloud.excelplas.com/s/oh4ZGng60lxmc8m#pdfviewer?>

<https://www.forconstructionpros.com/concrete/equipment-products/concrete-materials/press-release/21208108/cortex-composites-inc-cortex-composites-receives-new-us-patent-for-gccm-cortex>

Watershed Geosynthetics Patents Wind Resistant Geomembranes

<https://www.freepatentsonline.com/EP2616193B1.pdf>

EPA Completes First Phase of a Mississippi Superfund Site Using Watershed Geo ClosureTurf™

<https://watershedgeo.com/epa-completes-first-phase-of-a-mississippi-superfund-site-using-closureturf/>

Propex GeoSolutions is Hitting the Refresh Button in 2021 With New Mobile Friendly Website

<https://cloud.excelplas.com/s/M3deGS3HgazNXeO#pdfviewer>

First Council in Australia to Use a Bituminous Geomembrane (BGM) to Cap a Landfill Site for its Rehabilitation

<https://www.miragenews.com/council-leading-way-with-landfill-rehabilitation-project/>

GCCM

Video of Nuolian GCCM Deployment for Highway Ditch Lining Project

<https://youtu.be/bNxSRnJtOsg>

Effects of Time and Flexural Direction on an Anisotropic Geosynthetic Cementitious Composite Mat (GCCM)

https://thekeep.eiu.edu/cgi/viewcontent.cgi?article=1152&context=honors_theses

New US Patent Granted for Cementitious Composite Mat

<https://www.freepatentsonline.com/10870964.pdf>

GEOTEXTILES

Titan Environmental Containment Publish Scientific Paper on Capture of Algae from Lake Water Using Non-Woven Geotextile Filter Media

<https://www.titanenviro.com/wp-content/uploads/2020/12/Journal-of-Environmental-Management-Titan-Concordia-University-Research-Article-vol.-279-15-January-20211111766.pdf>

Studies on Damage and Stability Analysis of Breakwaters Armoured with Geotextile Sand Containers (GSC)

<https://www.sciencedirect.com/science/article/abs/pii/S0266114420301515>

Role of Geotextile Tubes as Breakwaters to Prevent Severe Beach Erosion on Bali

<https://journals.tdl.org/icce/index.php/icce/article/view/10341/9627>

Chinese Scientists Cover Glacier with Geotextile Blankets to Slow Melt

<http://www.ecns.cn/news/2021-01-05/detail-ihafkemm6621499.shtml>

<https://www.independent.co.uk/environment/climate-change/china-blankets-glaciers-climate-change-b1783178.html>

Introducing a Novel Tubular Geotextile (Braid Structure) to Reinforce Sand Beds

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jgrim.18.00104>

Behaviour of Sandy Soil Reinforced with Geotextile Having Partially and Fully Wrapped Ends

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jgrim.18.00102>

GCLs

Halliburton Patents New GCLs and Method for Manufacturing

<https://www.freepatentsonline.com/WO2020251562A1.pdf>

Monash University Scientists Develop a Novel Technique to Monitor GCL Osmotic Suction Control

<https://research.monash.edu/en/publications/a-novel-transient-gravimetric-monitoring-technique-implemented-to>

Variability of Fibre Reinforcement, Peel Strength, and Internal Shear Strength in Needle-Punched GCLs

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)GT.1943-5606.0002471](https://ascelibrary.org/doi/abs/10.1061/(ASCE)GT.1943-5606.0002471)

Attenuation of Cr/Pb in Bauxite Leachates by Bentonite–Polymer Composite Geosynthetic Clay Liners

<https://pubs.rsc.org/en/content/articlehtml/2020/ra/d0ra06921c>

NEW RESEARCH

Soil-Geosynthetic Interaction in Inclined-Plane Shear and Geosynthetic Short-Term Tensile Response – Influence of Installation Damage

<https://www.sciencedirect.com/science/article/abs/pii/S0950061820340228>

Short-Term Tensile Behaviour of Three Geosynthetics After Exposure to Recycled Construction and Demolition Materials

<https://www.sciencedirect.com/science/article/abs/pii/S0950061820340356>

Geosynthetic Performance Against Slope Erosion Caused by High Intensity Rainfall

<https://www.icevirtuallibrary.com/doi/abs/10.1680/jgein.20.00052>

Mechanism and Dynamic Evolution of Leachate Collection System Clogging in MSW Landfills

<https://www.sciencedirect.com/science/article/abs/pii/S0956053X20306851>

Influence of Waste Temperatures on Long-Term Landfill Performance

[https://ascelibrary.org/doi/abs/10.1061/\(ASCE\)EE.1943-7870.0001855](https://ascelibrary.org/doi/abs/10.1061/(ASCE)EE.1943-7870.0001855)

Production of Waste Rubber-Made Geogrid Reinforcement for Strengthening Weak Soils

https://link.springer.com/chapter/10.1007/978-981-15-9399-4_23

PVDs

Ceteau Installs 85,000 Prefabricated Vertical Drains (PVD) to Dewater New Residential Area

<https://ceteau.com/projects/vertical-drainage-for-new-residential-area-in-reeve/>

American Wick Drain is Considering a \$3.5 Million Expansion at its site within the Monroe

Corporate Centre

<https://thecharlotteweekly.com/ucweekly/2020/12/monroe-offers-incentives-to-help-company-expand/>

NEW PRODUCTS

High Temperature Geomembrane Liners Resistant to 316 Deg.C and Most Chemicals

<https://textilecoated.com/high-temperature-geomembrane-liners>

UPCOMING WEBINARS

FGI Webinar: Geomembrane Attachment and Penetration Design and Installation (4th Feb. 2021)

<https://register.gotowebinar.com/register/4136179536935879180>

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

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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 geosynthetic clay liners (GCLs).

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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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