

# May 2021 Vol. 1

Author : GNA

## **GNA – The Most Widely Read Online Geosynthetics Publication** *Time Sensitive Messaging for the Global Geosynthetics Industry*

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NEWSMAKERS: \* Axter \* BGM \* Coletanche™ \* Concrete Canvas \* DOW \* Erol Guler \* ExcelPlas \* GCCM \* GCLs \* GNA \* Golder Associates \* Halliburton \* Huesker \* IGS \* MMG Mining \* Plastica Kritis \* Ravenswood \* Seaman \* Siplast \* Solmax \* Teranap™ \* WaterShed Geosynthetics

### INDUSTRY NEWS

**“Avoid Being Misled”:** Concrete Canvas Publishes Technical Note on the GCCM Product Standard (ASTM D8364) for the Specification of GCCM’s

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

**Coletanche Bituminous Geomembrane (BGM) to line the Ravenswood Gold Tailings Dam in what will be Queensland’s Largest Gold Mine**

<https://cloud.excelplas.com/s/XCx2zXL4DrHskm1#pdfviewer>

**Siplast BGM Used to Line MMG Rosebery Tailings Dam in Tasmania**

<https://cloud.excelplas.com/s/cRvCpc2Ht6EyR XR#pdfviewer>

**Solmax Enhances Profile Line at its Rechlin, Germany Geosynthetics Plant**

<https://wasteadvantagemag.com/solmax-enhances-profile-line-at-its-rechlin-germany-geosynthetics-plant/>

**Geosynthetic Companies Report Supply Chain Headwinds and Report “Increasing Costs for Raw Materials and Constraints Related to Logistics”**

Stock prices continue to soar amid logistic and raw material woes.

<https://www.argusmedia.com/en/news/2205930-polymers-shortage-plague-90pc-of-european-converters>

**New Geomembrane Resin DOW™ DGDA-5310 NT GMB Medium Density Polyethylene Resin**

<https://www.dow.com/en-us/pdp.dow-dgda-5310-nt-gmb-medium-density-polyethylene-resin.456148z.html>

## ONLINE LECTURES

### **Geosynthetic Functions - IGS University Online Lecture Series by Prof. Erol Guler**

<https://www.youtube.com/watch?v=x4p0Y7fY188>

## SAMPLING AND TESTING

### **Random Sampling of Geosynthetics in Finland**

<https://iopscience.iop.org/article/10.1088/1755-1315/710/1/012020/pdf>

### **Statistical Analysis of the Influence of Temperature and Humidity on the Stability of Geomembrane Tensile Test Results**

<https://iopscience.iop.org/article/10.1088/1755-1315/669/1/012023/pdf>

## NEW PATENTS

### **Halliburton Energy Patent New GCLs with Carboxymethyl Starch Modifier**

<https://www.freepatentsonline.com/WO2021066851A1.pdf>

### **WaterShed Geo Patents Solar Energy System For Use With Tufted Geosynthetics**

<https://www.freepatentsonline.com/20210126578.pdf>

### **Integrated Photovoltaic Module Mounting System for Use with Tufted Geosynthetics**

<https://www.freepatentsonline.com/10992250.pdf>

## GOMEMBRANES

### **Seaman Publish Tech Note Entitled “In Search of the Impermeable Geomembrane”**

<https://f.hubspotusercontent30.net/hubfs/481889/In%20Search-20of%20the-20Impermeable-20Geomembrane%20-20XR-C2-AE-20Geomembranes.pdf?>

## GCLs

### **Golder Associates and Peru University Report on Non-isothermal Moisture Migration in a GCL Composite Liner System**

<https://www.matec-conferences.org/articles/matecconf/abs/2021/06/matecconf-PanAm-Unsat2021-04008/matecconf-PanAm-Unsat2021-04008.html>

### **Water Retention Curves of a GCL Under Non-uniform Temperature-Stress Paths**

<https://www.sciencedirect.com/science/article/abs/pii/S0266114421000467>

### **The Effect of Copper Ions on Swelling and Shrinkage Characteristics of Sodium Bentonite in Landfills**

<https://www.mdpi.com/2076-3417/11/9/3881/pdf>

## GEOTEXTILE TUBES

## **Bank Protection and Sludge Dewatering in One Application (Huesker)**

<https://www.youtube.com/watch?v=UhcDivj7MpM>

DID YOU KNOW?.....

## **Head of Major Geomembrane Company Was Kidnapped and Held for Ransom**

<https://thegreekobserver.com/blog/2017/10/02/crete-happy-end-hostage-crisis-involving-businessman-6-months-huge-success-hellenic-police/>

## **FAILURE OF REINFORCED SOIL**

### **Disruption, Innovation, and Opportunity with Reinforced Soil Structures [PDF]**

Failure of Reinforced Soil Structures

<https://iopscience.iop.org/article/10.1088/1755-1315/727/1/012019/pdf>

## **BRAND MARKETING**

### **How to Get Noticed by More Than 40,000 People in the Geosynthetic Space Across the Globe**

GNA reaches over 40,000 people each month and this high level of audience engagement comes from years of creating content that matters to the geosynthetic industry.

We provide the industry's most reliable and current information, and have the trust and attention of the leaders and decision makers.

Not only can we help you get in front of our highly engaged audience, but we also have a number of channels you can use to target your message – as well as the subject matter experts to put it all together.

<https://www.youtube.com/watch?v=QCkE3q3sHPg>

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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 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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