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Time Sensitive Messaging for the Global Geosynthetics Industry

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NEWSMAKERS: * ASTM * Borouge * Bristol Landfill * Concrete Canvas * Elydan * EuroBent * ExcelPlas * Fibertex * Formtex® * GCCM * GNA * Maccaferri * Microplastics * NAUE * Piggybacking * SANDMAT™ * SCGC * SOLMAX * Warren's Hill Landfill

BREAKING NEWS

Slope Failure Reported at Queensland Landfill
For reasons yet to be determined, the geosynthetic capping has breached and resulted in slope slippage failure occurring
https://cloud.excelplas.com/s/QWombHY6OxhV6Aw

Polyester (PET) Microplastics Shown to be Harmful to Fish
https://www.nature.com/articles/s41598-023-28712-y

INDUSTRY NEWS

New ASTM: Standard Practice for Data Recording Procedure for Welding Devices Used to Produce Thermal Fusion Welds in Geomembrane Systems (ASTM D8468-23)

Standard wedge welding devices rely on the operator to properly adjust the welding parameters

(temperature, speed, and pressure) which are needed to create a sound weld. Changes in one or more of these parameters during production seaming, whether deliberate or accidental, can lead to poor weld quality. Prior to data acquisition systems, verifying welding parameters throughout the welding process relied solely on periodic visual observations and documentation, leaving substantial room for error. This ASTM standard practice, which requires a data acquisition system to be installed on thermal fusion welding devices, allows for the recording of these welding parameters along the entire length of the welded seam at pre-determined intervals, throughout the entire thermal fusion seaming process. The acquired data can be used in the construction quality control / construction quality assurance program to compare the welding parameters at recorded locations along the welded length to preset values, such as the values obtained during the trial seam, to facilitate detection of anomalies anywhere on the welded length.
https://www.astm.org/d8468-23.html

Reflective White HDPE Geomembrane Increases Solar Panel Output Says Solmax
https://www.pv-magazine.com/2023/02/03/reflective-membrane-to-increase-albedo-power-yield-in-bifacial-pv-projects/

Examination of Concrete Canvas GCCM Under Quasi-Realistic Loading by Computed Tomography
https://www.mdpi.com/2412-3811/8/2/23/pdf?version=1675595615

Geosynthetics Offer Durability for Concrete Structures
https://www.miningweekly.com/article/geosynthetics-offer-durability-for-concrete-structures-2023-01-18

SandMat™ Technical Guide [PDF]
SandMat™ is a geocomposite consisting of quartz sand, encapsulated between two geotextiles, held together by a needle-punching process.
https://www.eurobent.com/files/Drop_In_SandMat.pdf

EuroBent Publish Installation Guide for SandMat™ [PDF]
https://www.eurobent.com/files/Installation_Guide_SandMat.pdf

Borouge Announces $400 Mill Cost Savings Drive; Q4 profit drops | Reuters
https://www.reuters.com/business/energy/abu-dhabis-borouge-announces-400-mln-cost-savings-drive-q4-profit-drops-2023-02-02/

SCGC Plans to Develop Plant-based Plastics that Can be Used for Biobased Geomembranes and Geosynthetics (Game Changer)
https://www.bangkokpost.com/business/2497020/scgc-plans-to-develop-plant-based-plastics-plant

Piggybacking – Maccaferri: Engineering a Better solution
https://www.maccaferri.com/solutions/piggybacking/

Analysis of Textured Geomembrane–Soil Interface Strength to Mining Applications
https://www.springerprofessional.de/analysis-of-textured-geomembrane-soil-interface-strength-to-mini/23841008

Assessing the Importance of Drainage Layers Over Geomembrane Liners Within Engineered Cover Systems: Seven Years of Field Monitoring at Three Mine Waste Rock Piles
https://www.sciencedirect.com/science/article/abs/pii/S0266114423000080

Transitioning from 0.75 mm PVC Geomembrane to 1.00 mm HDPE
https://geosyntheticsmagazine.com/2023/02/01/transitioning-from-30-mil-pvc-geomembrane-to-60-mil-hdpe/

Vegetated Long-term Solution for Fly Ash Landfill Capping Project
Integrating turf reinforcement mats to control erosion and protect containment structure
https://geosyntheticsmagazine.com/2023/02/01/vegetated-long-term-solution-for-fly-ash-landfill-capping-project/

Bristol Can Avoid State Lawsuit Over Landfill Through Consent Decree
A design for an ethyl vinyl alcohol (EVOH) cover system over the entire landfill to be submitted

by Jan. 30 and install that EVOH system within 60 days of completing all other remedial actions for SWP 588, and no later than a year from now. Joel Kellogg said aside from the sidewall emission mitigation system and a geomembrane cover, “everything in there is things that city of Bristol Virginia should have been doing all along to properly maintain a landfill according to regulations.”
https://www.wjhl.com/bristol-va-landfill/bristol-va-enters-consent-decree-over-landfill/
https://cardinalnews.org/2023/01/30/bristol-can-avoid-state-lawsuit-if-it-enters-consent-decree-more/

Focus Video : Drainage - Geocomposites for infrastructures - YouTube
https://m.youtube.com/watch?v=5K9VEQvydEg

GEOSYNTHETIC DIGITAL MARKETING

Essential Look into Global Geosynthetic Developments with the Weekly GNA Newsletter
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https://www.geosyntheticnews.com.au/

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We provide the industry’s most reliable and current information and have the trust and attention of the leaders and decision-makers.
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https://www.youtube.com/watch?v=QCkE3q3sHPg

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• 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.

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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).
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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