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INDUSTRY NEWS

Grinding of Geomembrane Extrusion Welds as a Source of Microplastics
https://cloud.excelplas.com/s/6YoQMtdoKvfTF1Q

Offshoring Arbitrage for Geosynthetics : G-Cube Consulting Engineers LLP
Global Best Practices in Geosynthetics for Ground Engineering
https://gcubeconsulting.in/

Insane Graphic Shows Hundreds of Container Ships Waiting to Access Chinese Ports
Geosynthetic Industry set for Massive Disruption as Supply Chains are Smashed
https://cloud.excelplas.com/s/YI1hjKuzq2X0bTF?

Geosynthetics Industry Facing Rising Resin Costs, Ukraine, and a Twist Ending, Courtesy of the Supply Chain
https://www.plasticstoday.com/resin-pricing/rising-resin-costs-ukraine-and-twist-ending-courtesy-supply-chain

BASF Raising Prices of Antioxidants and Stabilizers for Geosynthetics by up to 35%
http://www.european-rubber-journal.com/article/2091064/basf-raising-prices-for-antioxidants-by-up-to-35

Failing Geomembrane Pile Boots Due to Ground Settling?
https://boereport.com/2022/04/06/failing-pile-boots-due-to-ground-settling-comparing-ecs-to-hdpe-sealing-techniques/

Rocscience Launches New Software to Compare Geogrid Performance
Maccaferri, Tensar, Huesker, Naue, ACE Geosynthetics, Geosintex, Tencate, Wavin
https://www.youtube.com/watch?v=9cJWfqrVYV8

Geosynthetic Properties and Testing – IGS University Online Lecture Series (Video)
https://www.geosyntheticssociety.org/videos/geosynthetic-properties-and-testing-igs-university-online-lecture-series/

UPCOMING WEBINARS

Webinar - Geosynthetic Institute Landfill Failure Webinar Will Focus on 20 Lined and Unlined Municipal Solid Waste (MSW) Landfill Failures (20 April 2022)
https://geosyntheticsmagazine.com/2022/04/08/geosynthetic-institute-landfill-failure-webinar-upcoming/

Webinar – 'Heat Generation and Accumulation in MSW Landfills' (21 April 2022)
https://register.gotowebinar.com/register/722717109275560462

Webinar – 'Geosynthetic Performance Testing and Integration of Results' (28 April 2022)
https://us02web.zoom.us/webinar/register/WN_94Z8FktqS66DEiFBbNHa_A

NEW PATENTS

New Patent for Wind Uplift-Resistant Geomembrane Cover [PDF]
https://www.freepatentsonline.com/WO2022072781A1.pdf

New Polyethylene for Blow Film Geomembrane [PDF]
https://www.freepatentsonline.com/20220106467.pdf

New Method for Joining Artificial Turf
https://www.freepatentsonline.com/EP2961291B1.pdf

GEOMEMBRANES

Complex Geosynthetic Liner System for the 70 Ranch Raw Water Reservoir
https://geosyntheticsmagazine.com/2022/04/01/complex-geosynthetic-liner-system-for-the-70-ranch-raw-water-reservoir/

Multiple Linear Regression Analysis of OIT Data to Study Degradation Phenomena of HDPE Geomembrane Using Machine Learning
https://cloud.excelplas.com/s/tfy0eCVqiXEhabz#pdfviewer?

Seepage Loss from Unlined, Lined, and Cracked-lined Canals: a Case Study of Ismailia Canal, Egypt
https://meetingorganizer.copernicus.org/EGU22/EGU22-13134.html

Analytical Solution for One-dimensional Steady-State Contaminant Transport Through a Geomembrane Layer (GMBL)/Compacted Clay Layer (CCL)/Attenuation layer (AL) Composite Liner Considering Consolidation
https://onlinelibrary.wiley.com/doi/abs/10.1002/nag.3366

COVERS

Field Trial of a Reinforced Landfill Cover System: Performance and Failure [PDF]
https://cloud.excelplas.com/s/T864wPDLU7EPGEO#pdfviewer

GEOTEXTILES

Geotextiles—A Versatile Tool for Environmental Sensitive Applications in Geotechnical Engineering [PDF]
https://www.mdpi.com/2673-7248/2/2/11/pdf

Evaluating Wettability of Geotextiles with Contact Angles
https://www.sciencedirect.com/science/article/abs/pii/S0266114422000413

GCLs

Hydraulic Performance of Geosynthetic Clay Liners Comprising Anionic Polymer–Enhanced Bentonites
https://cloud.excelplas.com/s/OXcLqtbOxKmGdH3#pdfviewer?

GEOGRIDS

Mechanical Property of Biomodified Geogrid and Reinforced Calcareous Sand [PDF]
https://downloads.hindawi.com/journals/geofluids/2022/3768967.pdf

Airport Pavement Stiffness Monitoring and Assessment of Mechanical Stabilization using Bender Element Field Sensor

https://journals.sagepub.com/doi/abs/10.1177/03611981221084685

Effects of Traffic Loading on Seasonal Temperature Change-Induced Problems for Integral Bridge Approaches and Mitigation with Geosynthetic Reinforcement
https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29GM.1943-5622.0002393

A Novel Approach to the Design of Geogrid-Reinforced Flexible Pavements
https://www.researchgate.net/publication/359733727-A-Novel-Approach-to-the-Design-of-Geogrid-Reinforced-Flexible-Pavements

Learn More About Geogrid Construction, Resources | Tensar
https://www.tensarcorp.com/resources/fundamentals-of-geogrids-and-their-use-for-subgrade-stabilization

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

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Geosynthetic Intelligence is an evolving platform to address industry news, market challenges and trends
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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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