October 2022 Vol. 8

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Time Sensitive Messaging for the Global Geosynthetics Industry

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INDUSTRY INTELLIGENCE

Pumped Hydro Storage - the New Emerging Opportunity for the Geomembrane Industry
https://www.freyssinet.com/waterproofing-pumped-storage-india/
https://www.globaltimes.cn/page/202210/1276660.shtml

Watershed Geo Continues with Aggressive Building of Patent Portfolio
https://www.freepatentsonline.com/20220345072.pdf
https://www.freepatentsonline.com/WO2022226268A1.pdf

Willacoochee Industrial Fabrics (WINFAB) Develops New Woven Geotextile Fabrics with Integrated Geogrids
https://www.freepatentsonline.com/20220341067.pdf

Michael Donovan of Minerals Technologies (CETCO) Develops Modified Clay for PFAS-Absorbing GCLs
https://www.freepatentsonline.com/20220339600.pdf

INDUSTRY NEWS

Geofabrics v Fiberweb: 'A Rare Judgment'
https://www.worldipreview.com/article/geofabrics-v-fiberweb-damages-pull-into-the-station

Recorded Webinar – Wind Uplift of Geosynthetic Covers
https://anchor.fm/fgi/episodes/FGI-Episode-43-Wind-Uplift-Design-10-27-22-e1prqtr/a-a8ori1f

DuoLiner® HGS, the Innovative GCCM by G Quadrat
DuoLiner HGS is a thin, ready-to-install concrete layer. Thanks to the innovative double spacer fabric 30 kg/m² of concrete can be supplied ready for installation and laid directly on site. Apart from the laying work, no filling with suspensions takes place on site. Therefore it´s a quick and clean solution. DuoLiner HGS is the only GCCM with CE certification for protection. In general, it is used as a lining for trenches, channels and basins. In addition to the safe drainage of surface water, it also provides erosion protection. In civil engineering, DuoLiner HGS is laid as a permanent underground trench protection over utility cables or gas pipelines or can also provide a secure support underneath cables and pipes.
https://www.youtube.com/watch?v=7OPfUdedIFU

Carpi Waterproofing of a Pumped Storage Scheme in India
On the Pinnapuram project, Carpi Tech will use SIBELON®? geomembranes
https://www.freyssinet.com/waterproofing-pumped-storage-india/

Prediction of Interface Friction Angle Between Landfill Liner and Soil Using Machine Learning
https://www.springerprofessional.de/en/prediction-of-interface-friction-angle-between-landfill-liner-an/23640318

Webinar – Quality Control/Quality Assurance of Waste Containment Systems – 9 November 2022
https://geosyntheticsmagazine.com/2022/10/27/quality-control-quality-assurance-of-waste-containment-systems/

https://geosynthetic-institute.org/gsi29description.pdf

Tensar Academy : An Introduction to Soil Behaviour and Index Properties by Mike Dobie
https://www.youtube.com/watch?v=0vqxvg2lFD4

Study Warns of 'Colossal' Future Legal Claims Over Plastic Pollution
https://www.recyclingtoday.com/article/study-warns-of-colossal-future-legal-claims-over-plastic-pollution/

Polyfabrics Provide Geosynthetic Solutions for Road Enhancement to Cope with Increased Traffic Volumes
https://polyfabrics.com.au/case-studies/geosynthetic-solution-for-bishop-drive-mollymook/

New Method for Foundation Consolidation Using Geomembrane Bags and Vacuum Unloading
https://www.freepatentsonline.com/20220341116.pdf

Concept for the Biotechnological Minimizing of Emerging Plastics, Micro- and Nano-Plastics Pollutants from the Environment: A Review
https://www.sciencedirect.com/science/article/abs/pii/S0013935122016693

Groundbreaking Research on the Impact of Microplastic Pollution in Oceans Awarded the Volvo Environment Prize 2022
https://au.finance.yahoo.com/news/groundbreaking-research-impact-microplastic-pollution-083800060.html

British Geomembrane Association (BGA) Updates their Membership List
https://britishgeomembraneassociation.co.uk/members-list/

GEOWEB® Geocells and High-Strength Geotextile Combine Forces to Create Upgraded,

High-Performing Haul Roads Over Soft Subgrades
https://boereport.com/2022/10/26/geoweb-geocells-and-high-strength-geotextile-combine-forces-to-create-upgraded-high-performing-haul-roads-over-soft-subgrades/

Influence of Geotextile Materials on the Fractal Characteristics of Desiccation Cracking of Soil
https://www.mdpi.com/2504-3110/6/11/628/pdf?version=1666950344

Comparative Study of Gamma-Ray Irradiation-Induced Oxidation: Polyethylene, Poly (Vinylidene Fluoride), and Polytetrafluoroethylene Geomembranes
https://www.mdpi.com/2073-4360/14/21/4570/pdf?version=1666942659

GEOGRIDS

Effect of Particle Regularity on the Shear Response of Geogrid-Granular Material Interface Under Cyclic Normal Loading
https://www.sciencedirect.com/science/article/abs/pii/S221439122200174X

Effect of Geosynthetic Stiffness and Surcharge Load On Stability of Reinforced Earth Segmental Walls
https://jaes.journals.ekb.eg/article_265710_7d23aa6f77d5097625d7b608060bb35b.pdf

READER'S CORNER

Sustainable Use of Geosynthetics in Dykes
https://hal.inrae.fr/hal-03826907/document

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

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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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