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Author : GNA

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

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BREAKING NEWS

Concrete Canvas to launch CCX™ at 'The Greatest Irrigation Show on Earth'- the 24th ICID. CCX™ is the first GCCM Canal Lining Product, Aligned to ASTM D8364
https://www.concretecanvas.com/ccx/

INDUSTRY NEWS

Solmax Develops Magnetic HDPE Geomembrane for Leak Detection
https://www.freepatentsonline.com/20220308015.pdf

Industrial Opportunity Partners closes Fund IV at $650m After Geomembrane Acquisition
Fund IV formed Viaflex (formerly Raven Engineered Films), a provider of highly engineered polymer films and geomembrane sheeting for construction and industrial applications.
https://www.privateequitywire.co.uk/2022/09/27/317646/industrial-opportunity-partners-closes-fund-iv-650m

IGS Demands that Publishers Retract Misleading Microplastics Article
https://cloud.excelplas.com/s/V9d0ze1F9FvFJjC

World Health Organization (WHO) Publishes Report on Potential Human Health Implications of Microplastics
https://cloud.excelplas.com/s/TOCBUG0irRohY7T

PVC Microplastics Found to Leach Phthalates into the Aquatic Environment over Decades
https://pubs.acs.org/doi/10.1021/acs.est.2c05108

Special Feature on Geomembrane Destructive Testing
https://geosyntheticsmagazine.com/2022/10/01/geomembrane-destructive-testing/

Invitational Lecture: Geosynthetics for Environmental Resiliency (11 October 2022)
By Pietro Rimoldi
https://www.ice.org.uk/events/latest-events/geosynthetics-environmental-resiliency/

Maccaferri Provides Innovative Solutions that can be Part of India and Bangladesh's Flood Defences
https://www.thethirdpole.net/en/climate/4-innovations-that-can-be-part-of-india-bangladeshs-flood-defences/

EverLiner™ Geomembrane is a Major Breakthrough for Chemical Containment Liners at it is 100% Chemical Resistant
https://www.textilescoated.com/uploads/files/EverLiner_Competitive_Comparisons_BR.pdf

Drainage Geocomposites and PVC Geomembranes for Highway Tunnel Lining
https://geosyntheticsmagazine.com/2022/10/01/drainage-geocomposites-and-pvc-geomembranes-for-highway-tunnel-lining/

Special Feature - Reinforcing the Landscape with Geotextiles
https://www.innovationintextiles.com/reinforcing-the-landscape/

Confidence Infrastructure Inaugurates New Geotextiles Plant in Bangladesh
https://en.prothomalo.com/corporate/confidence-infrastructure-inaugurates-new-geotextiles-plant-in-narayanganj

GEOMEMBRANES

Discussion on Stability Analysis of Embankment Dams with Defective Internal Geomembrane Liners
https://cloud.excelplas.com/s/u5EGmHrBOH44Emm

Non-Contact In-Plane Movement Estimation of Floating Covers Using Finite Element formulation on Field-Scale DEM
https://www.mdpi.com/2072-4292/14/19/4761/pdf?version=1663934759

Forecasting the Moisture Dynamics of a Landfill Capping System Comprising Different Geosynthetics
https://www.sciencedirect.com/science/article/abs/pii/S0266114422000899

PVC-EIA Liners to Protect Geofoam from Hydrocarbon Attack
XR-5 is a PVC coated fabric formulated using Elvaloy, a chemical resistant polymer which imparts flexibility to the geomembrane.
The designers selected expanded polystyrene Geofoam for use as fill material. The 1.5 lb/sf density Geofoam would save weight, reduce lateral pressures on the adjacent structures, and speed construction at the congested work site.
Hydrocarbons have a devastating effect on contact with expanded polystyrene foam. In order to protect the Geofoam from damage by an accidental spill of fuel or other hydrocarbon materials, the designers utilized a geomembrane. 8130 XR-5 was selected to cover the top of all areas where Geofoam was installed. XR-5 is a PVC coated fabric formulated using Elvaloy, a chemical resistant polymer which imparts flexibility to the geomembrane.
https://www.geomembrane.com/case-studies/development/gm-renaissance-center.html

GEOTEXTILE TUBES

Dewatering of Mine Waste Using Geotextile Tubes
https://cloud.excelplas.com/s/CApaDu6qnbRv1uc

Effect of Warp and Weft Uniaxial Tension on the Permeability of Sand Covered with Geotextile [PDF]
https://www.extrica.com/article/22681/pdf

GCLs

Experimental Study of Self-Healing Capacity of Geosynthetic Clay Liners Under Leachate
https://www.researchgate.net/publication/363839025_Experimental_study_of_self-healing_capacity_of_geosynthetic_clay_liners_under_leachate

GEOGRIDS

Full-Scale Model Tests of Load Transfer in Geogrid-Reinforced and Floating Pile-Supported Embankments
https://www.sciencedirect.com/science/article/abs/pii/S0266114422000516

Review of Existing Design Methods of Geosynthetic Reinforced Piled Embankments (GRPE)
https://engineer.sljol.info/articles/abstract/10.4038/engineer.v55i2.7504/

Evaluating The Benefits of Geogrid in Foundation Applications with Onsite Testing
https://cirtexcivil.co.nz/technical-blog/benefits-of-geogrid-in-foundation-applications-with-onsite-testing/

MICROPLASTICS

Microplastics, Their Toxic Effects on Living Organisms in Soil Biota and Their Fate: An Appraisal
https://link.springer.com/chapter/10.1007/978-3-031-09270-1_17

In vitro Gut Models Reveal How PE Microplastics Affect the GI Tract
https://www.news-medical.net/news/20220926/In-vitroc2a0gut-models-reveal-how-microplastics-affect-the-GI-tract.aspx

Spectroscopy Reveals a High Abundance of Microplastics in Human Placenta
https://www.news-medical.net/news/20220927/Spectroscopy-reveals-a-high-abundance-of-microplastics-in-human-placenta.aspx

Microplastics: Global Occurrence, Impact, Characteristics and Sorting
https://www.frontiersin.org/articles/10.3389/fmars.2022.893641/full

PVC Microplastics Found to Leach Phthalates into the Aquatic Environment over Decades
https://pubs.acs.org/doi/10.1021/acs.est.2c05108

INDUSTRY PROFILE

Meet Vincent Guillette of Solmax – Inventor of the Magnetized HDPE Geomembrane for Leak Detection
Vincent is Innovation Project Manager at Solmax International responsible for Front End Innovations in Geomembranes [vguillette@solmax.com]
As head of the SOLMAX INNOVATION, Vincent maintains that innovation is not limited to research and development, but rather it is about creating an environment where everyone can share their ideas, thoughts and its inspirations to create added value. Leveraging the first-hand knowledge of all of our employees, from engineering to sales, is key to reaping the benefits of the culture of inclusive innovation that Vincent and his team hope to foster.
https://www.solmax.com/fr/a-propos/pole-innovation

NEW JOBS

Geofabrics Seeking to fill Environmental Specialist Position
https://www.austmine.com.au/Web/News-Resources/Articles/2022/September/Geofabrics_is_seeking_to_fill_Environmental.aspx

GEOSYNTHETIC DIGITAL MARKETING

How to Get Noticed by More Than 48,000 People in the Geosynthetic Space Across the Globe
GNA reaches over 48,000 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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We deliver market news & information relevant to your business
Geosynthetic Intelligence is an evolving platform to address industry news, market challenges and trends
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.

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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http://www.geosyntheticnews.com.au

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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