**TENCATE Mirafi®

Summer-Fall 2017



LOST & FOUND: Tom Stephens, one of the earliest Mirafi® salespeople, and his 1983 Texas license plate.



Mark Sikkema recently participated in Geosynthetica's <u>"GeoTalk" Podcast series!</u> He discusses the development and uses of our Mirafi® H2Ri enhanced wicking geosynthetic.

Expert Corner

I've confirmed the rumors!

Mirafi® H₂Ri provides benefits that other geosynthtetics and technologies cannot provide.

cd Click here to read more!





Construction Today a

TENCATE GEOSYNTHETICS' PRODUCTS CAN REDUCE THE NEED FOR ROAD REPAIRS

Adding Life

TENCATE GEOSYNTHETICS' PRODUCTS CAN REDUCE THE NEED FOR ROAD REPAIRS. BY ALAN DORICH

n the American Society of Civil Engineers' 2017 Infrastructure Report Card, America's roads received a "D" rating for their poor condition. But TenCate Geosynthetics Americas can help improve our roads, Vice President of Sales and Marketing Todd Anderson says.

Thanks to its products, 'You can make a road last longer for the same amount of money or make a road cost less and have a similar lifespan, and, sometimes, you can do offer both lower cost and longer life," Anderson says, noting that its geosynthetics can add many years to the life of a road. "When you lessen the repairs, you get more use of the road."

Based in Pendergrass, Ga., TenCate Geosynthetics provides woven and non-woven geotextiles, geogrids, geotextile tubs, prefabricated vertical grains and composite textiles to customers across the Americas. "We have relationships as far north as Alaska and as far south as Argentina," he describes.

TenCate Geosynthetics serves a broad customer base that ranges from the engineers designing roads to contractors trying to provide more value to owners, Anderson says. "It may be the owners themselves that say," We understand the benefit and want to have our parking lots incorporate this technology," he says.

The company supports its clients with a network of salespeople and engineers who can answer questions about the benefits of its products, including reducing the amount of material used. For example, a traditional roadway design may call for 24 inches of stone.

"[But if] you incorporated a geosynthetic in there, you might only need 14 inches to get the same performance," he says, noting that this provides significant savings. "By saving 10 inches of stone, [you



CalContractor Asphalt Construction Issue de

CAN INNOVATIVE GEOSYNTHETIC TECHNOLOGIES HELP SAVE CALIFORNIA'S ROADS? (P. 20-22)



In 2013, the California Cendinguis Turn (Cendinguis Sturry (Cessas) and Cendinguis Sturry (Cessas) and Cessas (Cessas) and Ces

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Above: The integration of YouCate Mirelia RSi roadways have proven to be more devable and longer lesting.

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State departments of transportation (DOTs) have long used geográfic and geotextiles for subgrade stabilization purposes. The material is primarily used on lop of a weak subgrade to help stabilize the earthen surface before putting down a gravel platform. seed in areas where groundwater an issues set to contrain should the properties of the properties of the when high water flow capabilities. The successful and effective ear of geolechical and effective ear of geolechical engineering to provide the properties of contraints provided to the properties of properties of the properties of the basic beam with the invitarily time to the properties of the properties the properties the properties the properties the properties cale field test sections with unds provided by finise specially speak and the section of transportation rittless. According to cuello, 17 est sections were constructed to evaluate the performance of o evaluate the performance of a variety of companies. Each test the section was 50 feet in length, and he subspace soil was propared and installed find a 16 feet wide, the deep trench that stretched 50 feet. "We seed and tested 12.

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Important Changes

AASHTO has released M288-17 "Standard Specification for Geosynthetic Specification for Highway Applications". This update has two significant changes you should be aware of:

Class 1A Enhanced Geotextile

This specification is for the use of a geotextile over a wet, saturated soil having a California Bearing Ratio less than or equal to 1. Both Mirafi® HP570 & Mirafi® RS580i meet the criteria for Class 1A enhanced geotextile. Mirafi® RSi-Series remains the best geosynthetics choice for roadway reinforcement, as demonstrated by the Montana State study published in 2014. This level of performance is accomplished by optimizing the benefits of separation, filtration, reinforcement and confinement in one product line. TenCate continues to heavily invest in the Mirafi® RSi-Series in order to maximize benefits to designers, owners and contractors.

Section 11 Geotextile and Geogrid Property Requirements for Reinforced Soil Applications

This specification is applicable to the placement of a geotextile or geogrid between layers of compacted fill for reinforced soil structures such as retaining walls or reinforced slopes. This section of the specification should NOT be used for other applications such as roadways.

Click to read the full text.

Geosynthetica

NEW COAL ASH POND CAPPING SERIES-MARCH 28, 2017 [15]



One of the fastest-growing markets for civil engineering in the United States is in capping coal combustion residuals. Tencate, one of the world's largest manufacturers of geosynthetics, has been well involved in the sector and

now has added Mirafi® CR-Series Pond Capping Geosynthetic Solutions to its engineered offerings...

SECONDARY GEOGRID REINFORCEMENT IN MSE WALLS—APRIL 10, 2017 12



The concept of secondary geogrid layers located at the face of a mechanically stabilized earth wall is similar to the use of secondary geogrid reinforcement in MSE reinforced slopes. In slopes, the secondary geogrid layers are used to stabilize the slope face between the primary geogrid layers...

GEOSYNTHETIC REINFORCEMENT FOR WIND ENERGY—JUNE 29, 2017 □



Subsidies and federal energy policies get most of the headlines, but

with the increasing size of wind turbines and the scale of wind farms, few sites can be developed without soil reinforcement technologies. Geosynthetics provide the stable base for construction works and long-term access on wind energy sites...

GEOSYNTHETIC REINFORCEMENT IN CCR SURFACE IMPOUNDMENT CLOSURES—MAY 9, 2017 🗂



In-place closure of coal combustion residual surface impoundments presents numerous challenges. Common methods of capping include placing 0.46 m (1.5 ft) of a compacted clay soil cap with an additional 0.15 m (0.5 ft) of vegetated cover. Geomembranes and geosynthetic clay liners are often considered as viable, cost-effective options to clay...

Ledger Dispatch 🖪

ARE GEOSYNTHETIC ROADWAYS RIGHT FOR AMADOR?—JUNE 29, 2017

Are Geosynthetic Roadways Right for Amador?

Rachel Norris Jun 29, 2017



The Caltrans Highway 12 Project from Rio Vista to Terminous. The project used TenCate H2Ri and RS580i high strength woven reotextiles.

[TenCate's] award-winning line of Mirafi products have provided solutions for reinforcement across the nation and are widely accepted and used in almost every country in the world. One Mirafi product specifically has outperformed every geosynthetics tested in the Western Transportation Institute and Montana State University research study "The Relative Operational Performance of Geosynthetics Used as Subgrade Stabilization" study on road construction, which is called Mirafi RS580i...

... Maybe the next time Amador County receives funds for rebuilding our infrastructure, we can consider this new innovation to use our funding more efficiently.







