

# GEOfabrics

## Trackbed Stabilisation Solutions from the Experts

### A Full Spectrum of Geosynthetic Products

GEOfabrics has been supplying the rail industry with track-rehabilitating geotextiles and geocomposites for over 20 years. Working directly with rail authorities, contractors and designers, alongside its comprehensive R&D programme, it has developed leading geosynthetics to provide significant cost benefits to the rail industry.

Geosynthetics comprise an assortment of synthetic polymer materials, specifically fabricated to be used in geotechnical, geo-environmental, hydraulic and transportation engineering applications. And they've been employed to perform a number of functions in track construction and rehabilitation for almost half a century.

When properly specified by experts, their use has been proven to significantly enhance the performance of the trackbed in a number of ways – reducing maintenance costs and increasing the lifetime of the design. For this



reason, it's vital that rail operators work with a geosynthetics expert to get the optimum result and a solution which is specific to the geotechnical issue at hand.

### Sector Expertise Meets Robust Solutions

GEOfabrics is perfectly placed to offer this kind of specialist advice

and, coupled with its extensive range of geosynthetic products, provides clients with bespoke solutions to their problem. It has developed and provided a wide range of tailor-engineered products since 1990. These have been specifically manufactured to address many of the problematic ground conditions that exist beneath railway track and the surrounding areas.

## A Tailored Approach to Trackbed Problems

A full spectrum of products is on offer – from separation non-woven geotextiles for coarse subgrade all the way up to specialist geocomposites for poorly draining and unstable subgrade. Every trackbed issue is evaluated individually, to ensure that every problem gets a bespoke solution. The team of GEOfabrics specialists assists with specifying the correct product, depending on the conditions.

The product range includes RK4 – a solution used in trackbed applications for ballast confinement, subgrade stabilisation and filtration and separation between track ballast and subgrade. To find out if RK4 could stabilise your subgrade – or for information on any of the other rail products that we specialise in – please contact us to arrange a technical seminar [here](#).

A design guidance document, featuring all GEOfabrics's rail-stabilisation products is also available on request – this enables customers to make an informed decision and select the most appropriate product. Get in touch to request your copy now.

GEOfabrics rail products solve a broad range of issues including:

- Poor drainage
- Subgrade intermixing with ballast
- Mud pumping failure
- Subgrade strength failure
- Poor stiffness characteristics
- Asset protection (erosion and invasive species)



### TrackTex – The Anti-Pumping Geocomposite

One of GEOfabrics's specialist rail products is TrackTex – a patented, anti-pumping geocomposite, which solves the problem of ballast contamination in trackbeds. TrackTex is widely accepted as the most cost-effective way of preventing and correcting mud pumping failure by many rail operators.

Rob Hepworth, Sector Manager at GEOfabrics explains: *"We are in a unique position to offer a wide range of solutions for subgrade issues, providing users time and cost savings over the entire product life-cycle. GEOfabrics assists with product selection and specification using our design guide, ensuring the delivery of best value solutions - providing capital expenditure savings vs traditional methods."*

*Reducing or removing geotechnical issues creates increased service intervals, delivering savings on operating expenditure. We also offer a range of other asset-preserving products for rail applications – please contact us for more information."*

Get in touch for more details:

Europe, Asia & Africa

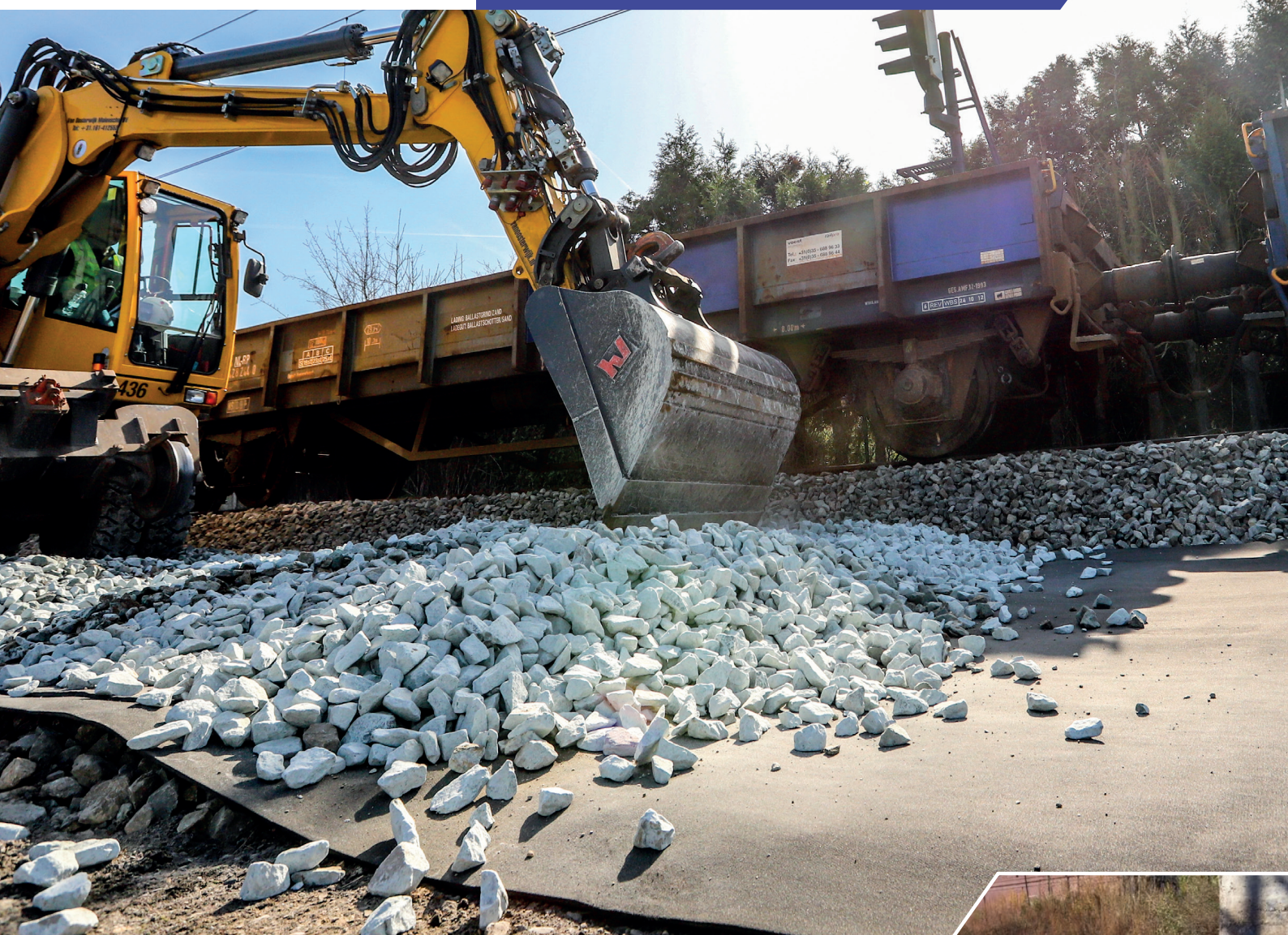
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**GEOfabrics®**





### Tailored solutions for trackbed stabilisation

With a broad range of specialist rail products, GEOfabrics deliver proven solutions to trackbed stabilisation problems.

- Proven performance
- Improved track quality
- Durable in extreme conditions
- No specialist equipment required
- From the manufacturers of TrackTex: the anti-pumping geocomposite

