

Increase trackbed maintenance intervals by more than 25 times

- Proven performance
- Improved track quality
- Durable in extreme conditions
- No specialist equipment required



GEOfabrics



Proven Performance More than a Decade on

TrackTex Geocomposite – The ‘Once Only’ Solution to Mud Pumping

Problem areas of ballast contamination in trackbeds can be a real headache for rail operators and contractors alike. Re-ballasting can solve the issue for a limited period. But over time, the problem will come back again and again. The cost implication of regular, ongoing maintenance is significant but can be avoided with a specialist solution to mud pumping in place. And this is where TrackTex comes in.

A patented, anti-pumping geocomposite, TrackTex is the result of more than a decade of research

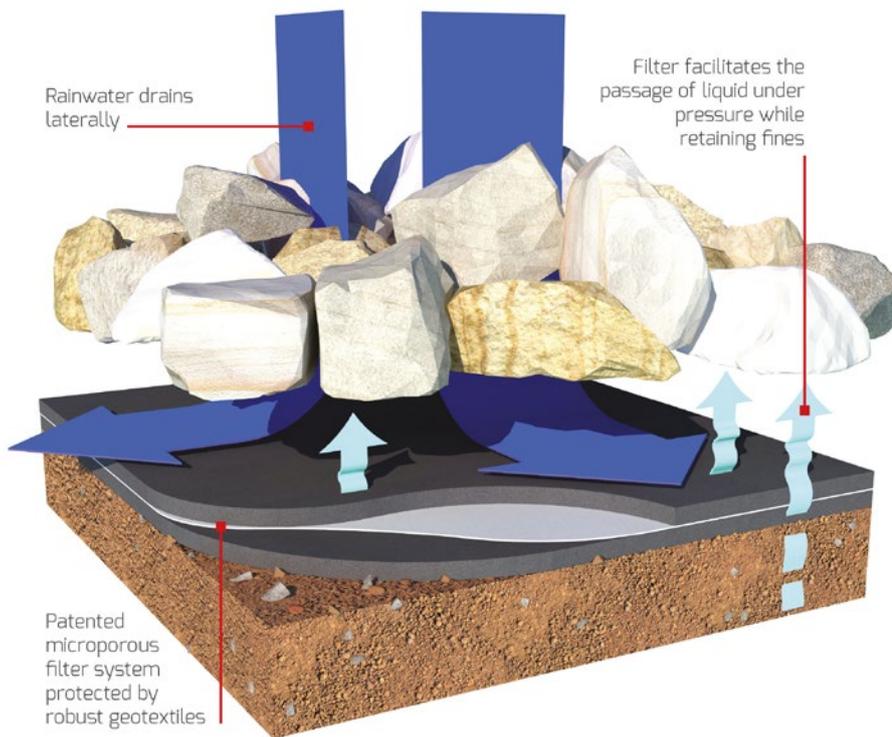
by trackbed engineers. Its unique filter system improves trackbed quality over time and has been proven to significantly increase maintenance intervals – by more than 25 times.

A Global Solution with a Successful Track Record

Actively used in live rail since 2010, TrackTex has provided significant cost savings to the rail industry world-wide. Some of the world’s leading operators have already

installed TrackTex as a spot treatment: including Network Rail (UK), ProRail (Netherlands), and North American Class 1 railroads Norfolk Southern, Union Pacific, Canadian National and Canadian Pacific, to name but a few.

With over 8 million ft² of TrackTex installed in Europe, Australia and the United States to date, the numbers speak for themselves. Site monitoring across a number of key sites has also resulted in clear evidence for TrackTex’s success and it’s now accepted as the most cost-



Contamination Protection Success in the US

TrackTex was installed at three locations of the Virginia Division/Christiansburg District during September and October 2014. All three sites had been undercut within the previous two years and needed undercutting again because of pumping failure. Following the installation of TrackTex there has been no further contamination of the ballast and the product continues to perform well to this day.

Andrew Leech, Commercial Director at GEOFABRICS explains, "What makes TrackTex such a valuable solution is that it deals instantly, effectively and permanently with problem areas in the trackbed. Whereas before, rail operators had to send teams out year after year to carry out maintenance, once TrackTex has been laid they have the peace of mind that the issue is resolved. It's a specialist product tailored precisely to meet the needs of the rail industry – and does this exceptionally well."

effective way of preventing and correcting mud pumping failure.

Effective Track Rehabilitation in the UK

Back in 2009, Network Rail made the decision that the up line through Bradley Junction was life expired and would not be able to carry the proposed increase in annual tonnage from 6 million to 11 million. An investigation, undertaken in 2010 by AECOM, described the trackbed as variable – with very dirty waterlogged ballast and evidence of upwards migration of clay formation. This had caused the track geometry to deteriorate rapidly.

Network Rail chose to install TrackTex as a method of preventing mud pumping and to prolong trackbed performance. In 2017, they commissioned an independent evaluation by AECOM, to determine just how effective the track rehabilitation had been. The results were conclusive. TrackTex prevented

the migration of clay fines from beneath, preventing any significant loss in the residual life of the ballast. There was no evidence of subgrade pumping or ballast contamination above the geocomposite microporous filter. Further site visits have confirmed that TrackTex continues to perform to this day.



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TrackTexTM

Anti-Pumping Geocomposite