

STAY ON TRACK WITH

# Groundbreaking products from **Fibertex**



## GEOTEXTILES

**Train speeds and traffic are increasing along with travelers' demands and environmental concerns.** Therefore, modern railway companies must work smarter – which they can do together with Fibertex.





MAKE YOUR BUSINESS

# Run more smoothly

**Avoid unplanned track work leading to train delays, customer complaints, and escalating unforeseen costs by designing future-proof railways that ensure the optimum operational reliability.**

At Fibertex Nonwovens, we offer you well-proven and future-proof products for the design, construction, and maintenance of railway systems. All our products will improve the reliability and performance of your railway, thanks to their ability to increase the bearing capacity – something which is extremely important when operating heavy-duty trains.

**Use geotextiles  
and improve  
the bearing capacity  
of your railway  
by 21%**



## Apply F-40 Detection and stay ahead of your challenges

**The F-40 Detection is a separation geotextile, which is placed between the subsoil and the bearing layer when installing new rails. It enables the monitoring of subsoil settlements to predict and plan maintenance.**

This valuable monitoring is made possible via aluminum strips in the geotextile every five meters. The strips are detectable using georadar systems, which

provide your railway managers with insights into potential strip displacements caused by subsoil movement. These insights help you to:

- Predict future problem zones
- Improve maintenance
- Avoid erosion damage
- Improve railway safety
- Reduce renovation costs

## Nothing can shock you when FiberRails ST is used

**Railways are supported by ballast to ensure maximum friction. Unfortunately, over time this friction will be seriously reduced by the vibration caused by recurring traffic.**

You can overcome this challenge by applying FiberRails ST to the bearing surface before laying the new ballast as it provides effective separation and filtration resulting in improved bearing capacity and service lifetime of the track. Additionally, dampening vibration also reduces noise levels, which is important, especially in urban areas.

With FiberRails ST, you will be able to improve service life and stop the critical pumping effect, helping you to:

- Ensure a reliable timetable
- Improve railway maintenance and lifetime
- Reduce noise levels due to dampened vibration

The abrasion resistance of FiberRails ST is required and certified especially for this application by the French train operator SNCF.

## Find a product for your exact needs

**At Fibertex, you will find many more products alongside F-40 Detection and FiberRails ST. In fact, we offer a wide range of products that will help you in designing modern railway systems.**

The Fibertex products for railways are:

- FiberRails ST
- Fibertex F-range for Separation & Filtration

- F-40 Detection
- FiberAcoustic for noise barriers
- Fibergaine (F-1000 WOA) for one-operation cable installation
- RootSeal – preventing roots from penetrating track subsoil, drainage systems etc.
- WeedSeal – reducing the need for chemical weed control

WINNING TOGETHER

# Benefit from our decades of experience



**Achieve the many benefits of improved operational reliability, reduced noise levels, and cost reductions by partnering with an experienced company that will help your business run more smoothly.**

**France is running with Fibertex products**

To ensure the long-term reliability and performance of their railways, SNCF, the state-owned railway company in France, uses Fibertex products. The SNCF agreement not only helps designers engineer more durable railways but it also encourages us to develop even better nonwovens products based on best practice.

**Fibertex is the leading global partner in** technical and innovative performance-based materials and nonwovens solutions. We offer more than high-performance materials to our customers in more than 70 countries. We also offer strong partnerships that include access to in-depth industry knowledge and a best-in-class technological platform.

For over 50 years, we have improved nonwovens solutions for a variety of applications and business areas. This experience allows us to propose and deliver world-class solutions.

**Contact Fibertex**

Do not hesitate to contact your local Fibertex representative or visit [Fibertex.com](http://Fibertex.com) to learn more about how we can help you.

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