

# Europe Pavement Reinforcement Materials Market Size, Share & Trends Analysis Report By Product (Carbon Fiber, Glass Fiber, Steel Rebar), By Country (Germany, UK), And Segment Forecasts, 2024 - 2030

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## Abstracts

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### Europe Pavement Reinforcement Materials Market Growth & Trends

The Europe pavement reinforcement materials market size is anticipated to reach USD 938.5 million by 2030, growing at a CAGR of 8.3% from 2024 to 2030, according to a new report by Grand View Research, Inc. Increasing urbanization and population density in European cities is driving the market growth. As urban areas expand, there is a greater strain on existing infrastructure, including roads and highways. Pavement reinforcement technologies play a critical role in strengthening and extending the lifespan of these essential transportation arteries, ensuring they can withstand heavier traffic loads and increased usage associated with urban growth.

Moreover, the rise of smart cities and intelligent transportation systems (ITS) is driving the adoption of advanced pavement reinforcement technologies in Europe. Smart city initiatives aim to leverage technology to improve urban infrastructure's efficiency, safety, and sustainability. Pavement reinforcement solutions integrated with sensors, data analytics, and communication technologies enable real-time monitoring of road conditions, traffic flow, and pavement performance. By providing valuable insights into pavement health and maintenance needs, these smart reinforcement technologies help optimize infrastructure management, reduce maintenance costs, and enhance overall transportation efficiency.

The shift towards alternative modes of transportation, such as cycling and electric vehicles (EVs), is driving the need for specialized pavement reinforcement solutions in Europe. With a growing emphasis on sustainable mobility and reducing greenhouse gas emissions, many European cities are investing in infrastructure to support cycling lanes, EV charging stations, and other alternative transportation options. Pavement reinforcement technologies tailored to these specific needs, such as durable and non-slip surfaces for cycling paths or reinforced pavement sections for EV charging stations, are in high demand.

## Europe Pavement Reinforcement Materials Market Report Highlights

Based on product, the carbon fiber segment held the largest revenue share of 47.0% in 2023. The growing demand for high-performance pavements in transportation infrastructure projects fuels the adoption of carbon fiber reinforcement.

The glass fiber segment is expected to grow at a significant CAGR during the forecast period. The rising focus on sustainable and eco-friendly construction practices is prompting the adoption of innovative pavement reinforcement materials that offer environmental benefits, contributing to market growth.

In 2022, Bonar Geosynthetics, a European manufacturer of geosynthetics, acquired Geotexan S.A., a company specializing in producing and distributing geosynthetics and fibers. This acquisition enables Bonar Geosynthetics to expand its geographical presence across Europe.

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