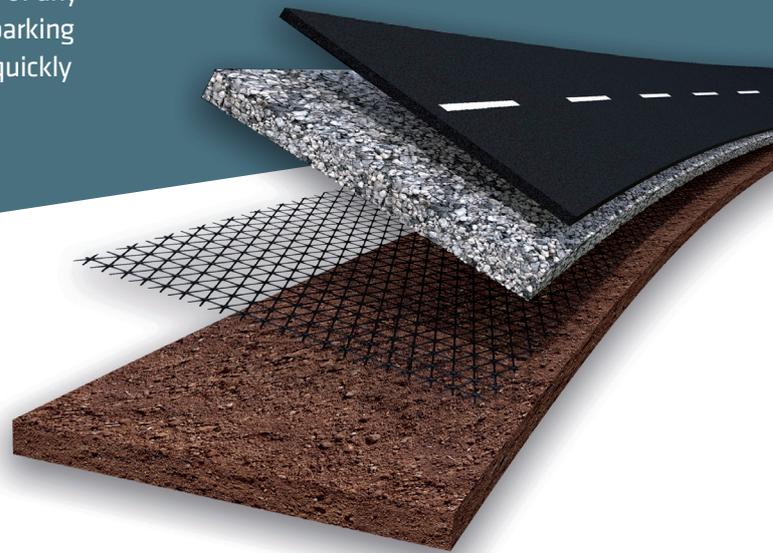




## The power of Pavement Optimisation

Tensar Pavement Optimisation has helped improve construction efficiency, mitigate risk and reduce delays on UK housing projects for more than three decades.

The Government has a target of building 300,000 new homes a year by the mid-2020s to meet the country's housing crisis. Pavement Optimisation helps minimise costs and speeds up construction of any flexible pavement - from adopted roads, to driveways and car parking areas - helping housebuilders to deliver new developments as quickly as possible, while maintaining profitability.



**Compared with traditional approaches, Tensar's Pavement Optimisation can:**



Cut construction costs by up to 20%



Increase traffic capacity by up to six times



Reduce CO<sub>2</sub>e emissions by up to 25%



Lower whole-life costs, through reduced maintenance and repairs



## What is Pavement Optimisation?

Pavement Optimisation harnesses the power of Tensar stabilising geogrids to deliver high-performing and long-lasting road pavements, quickly and cost-effectively.

Tensar geogrids mechanically stabilise a pavement's aggregate layers, increasing bearing capacity, mitigating total and differential settlement; reducing surface rutting and cracking; and extending pavement life.

Pavement Optimisation enables engineers to choose a design that meets a project's priorities in the most cost-effective way, striking a balance between a thinner pavement and increased performance.

## Pavement Optimisation delivers economical access to King's Lynn homes

Pavement Optimisation delivered a robust and economical solution for roads, driveways and parking built over weak ground on the Orchard Place residential scheme in King's Lynn.

Tensar stabilising geogrid mitigated the risk of differential settlement in the roads, including one being adopted by Norfolk County Council, avoiding having to import fill, saving time and money.

**33%**  
reduction in  
volume of  
imported fill

**£64,000**  
saved on  
flexible pavement  
construction

**Mitigating  
risk**  
of differential  
settlement

## Giving housebuilders the choice to:

*Retain pavement life and  
optimise construction costs*

OR

*Enhance pavement life and reduce  
construction and whole life costs*

OR

*Optimise pavement life and  
whole life costs*



REF: 385

[Click here to download  
the full case study](#)

