



Deliver your rail project in confidence with

Tensar[®] Design and Supply Rail Solutions.

Tensar[®] offer a wide range of fast, economical and proven rail solutions for both temporary and permanent works.

ACCREDITED AND APPROVED BY:



Temporary Works

TEMPORARY WORKING AREAS & PLATFORMS

Safety is critical when using mobile cranes, piling rigs and other heavy plant machinery on construction sites – particularly over weak and variable ground. What's needed is a safe working platform.

Tensar[®] geogrids mechanically interlock with a well graded granular fill resulting in particle confinement which amongst other benefits increases the bearing capacity of the resulting Tensar[®] mechanically stabilised layer or MSL. This allows heavier static loads from cranes or piling rigs to be carried or platform thicknesses to be reduced to cater for heavy rig loading.

ACCESS ROADS

Unpaved roads are a feature of construction sites around the world. But while they have to cope with extremely heavy loads, these working platforms often have to be sited on weak or variable ground.

That's where Tensar's geogrids — in particular Tensar[®] InterAx[®] — incorporating clever working platform design can help reduce costs by mechanically stabilising granular materials very efficiently.

TEMPORARY STRUCTURES

If a structure is needed as part of the site temporary works, such as a retaining wall or bridge abutment, practicality and economy typically take priority over aesthetics.

The TensarTech[®] TR2 system has been designed to produce temporary structures which are straight-forward to build, with face angles between 60° and vertical, for a lower cost compared with traditional reinforced concrete, as well as seeing use as permanent thrust relief structures.



SCAN THE QR CODE

to find out more about Tensar's full range of Temporary and Permanent rail solutions.

www.tensar.co.uk/applications/rail-trackbed-improvement





EARTH RETAINING STRUCTURES

TENSAR ROAD TECHNOLOGY

EMBANKMENT SUPPORT & REINFORCEMENT

TRACKBED STABILISATION

Permanent Works

EARTH RETAINING STRUCTURES

Engineers who need to maximise the area of development for earth retaining walls and structures but are faced with difficult and varied terrain can choose from a wide range of options – reinforced concrete, gabions, crib walls, sheet piling and structural brickwork, and more.

Increasingly, though, many are turning to Tensar® Technology for a tailored solution which can meet aesthetic, budget and environmental needs.

Key benefits include:

- ✔ **Save up to 50%-75% on traditional reinforced concrete structure costs.**
- ✔ **Rapid to construct and can cut construction times by half.**
- ✔ **Use of site won materials can reduce costly imported fill.**

TENSAR ROAD TECHNOLOGY

Delays from roadworks; the pothole problem; new infrastructure vs budget cuts – Britain’s roads need value-engineered solutions more than ever. Tensar Road Technology is one such solution, bringing joined-up thinking, in the form of revolutionary stabilisation geogrids and asphalt interlayers, to Britain’s highways.

EMBANKMENT SUPPORT AND REINFORCEMENT

A key feature of many infrastructure projects, it’s vital that embankments are constructed with a firm and stable foundation. On weak and difficult soils this can present numerous challenges. However, Tensar® has a number of ways around this problem avoiding the need for expensive excavation and replacement of the soft soil or piling.

TRACKBED STABILISATION

For railways around the world, line speed restrictions and expensive and disruptive track maintenance are frequently caused by poor track geometry and misaligned rails. Tensar’s rail track design technology has been proven to substantially reduce track maintenance, being the subject of extensive independent research and development and approved by Network Rail in the UK and National Rail Authorities worldwide.



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Meet the Rail Team

Our dedicated Rail team are available to support with any pricing enquiries or technical assistance.



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