

# Tensor<sup>®</sup> InterAx<sup>®</sup> Geogrids

The Anatomy of Tensor InterAx Geogrid, high performance at its core.



**Tensor InterAx geogrid** incorporates innovations in both material science and geometry optimisation to provide exceptional performance and value across a wide range of materials and construction applications. This creates the most efficient mechanically stabilised layer (MSL) that retains stiffness over time to enhance performance of access roads, pavements, working platforms, and other on site applications. The result? You get a more cost-effective, higher-performing solution which contributes to saving time, cost and carbon on your project.



**Advanced material science**



**Optimised geometry**



**Cost effective, resilient trafficked and working surfaces**

The unique manufacturing process uses coextrusion to create a multi-layer product, giving Tensor InterAx geogrid the ability to accommodate aggregate nesting. The outer layers conform to the shape of the aggregate and holds it in place.

The open, floating hexagon allows for greater compliance and improved aggregate confinement under compaction and repetitive loading.

Three unique open aperture shapes yields a broader range of sizes and open area, allowing better compatibility with a wider range of aggregate qualities and gradations.

Increased number of bearing surfaces provides improved performance of the geogrid-aggregate layer, by resisting radial displacement of the aggregate under load.

40% higher aspect ratio allows more effective interlock and lateral restraint to aggregate particles enhancing overall MSL performance.



**Stabilised**



**Non-stabilised**

**Better performance means less aggregate is required to meet project requirements, saving costs, time and carbon emissions.**

Tensar InterAx has been used to enhance the performance of roads, railways and other trafficked areas by providing the best Tensar MSL.

It helps to:

- ✓ Improve traffic capacity of roads
- ✓ Improve bearing capacity of MSL
- ✓ Mitigate differential settlement
- ✓ Reduce aggregate thickness whilst maintaining or improving performance
- ✓ Reduce construction costs and time
- ✓ Reduce carbon footprint

## Where has Tensar® InterAx® geogrid been used?

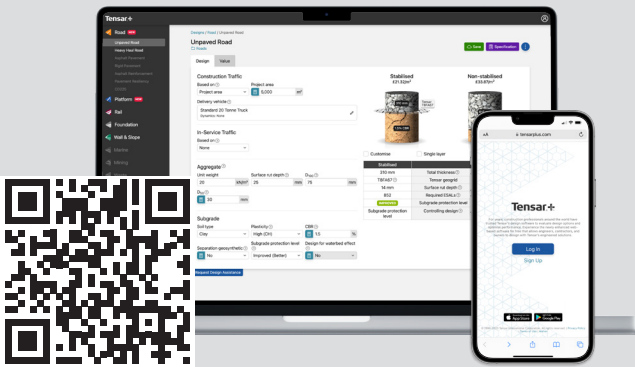
### Road, pavements & trafficked areas

- ✓ Unsurfaced roads
- ✓ Heavy haul roads
- ✓ Flexible pavements
- ✓ Rigid pavements
- ✓ Airport runways
- ✓ Port pavements

### Working platform

### Rail trackbed improvement

- ✓ Ballast
- ✓ Sub-ballast



## Tensar+<sup>TM</sup> Design Software

Scan the QR code or visit [tensarplus.com](https://tensarplus.com) to start designing.



## PROVEN SUCCESS

With over 50 years of experience, we've helped construction professionals around the world find cost-effective solutions using our industry-leading geogrid technology. We're with you every step of the way so you find the best solution to your specific challenge.

## PROVEN TECHNOLOGY

Tensar geogrid solutions are the most rigorously tested geogrids in the world. Testing includes laboratory evaluations, Accelerated Pavement Testing programs in situ field testing using different materials and loading conditions, 3rd party reviews, and ongoing pavement performance monitoring. The United States Army Corps of Engineers tested Tensar InterAx geogrid against an unstabilised control section. The results showed Tensar InterAx reduced surface rutting by 64%.

## PROVEN SAVINGS

We help you deliver projects more efficiently. Tensar InterAx geogrid has already been installed on projects around the world, achieving significant cost and time savings, proven performance, and meeting sustainability goals.

Scan the QR Codes for Success Stories & Get Your Copy of The Research Summary!



Tensar InterAx Success Stories

Research Summary

let us help you with your next challenge: [tensarinternational.com](https://tensarinternational.com) email: [tensarinfo-intl@cmc.com](mailto:tensarinfo-intl@cmc.com)



We're CMC. You'll find our products strengthening and reinforcing the infrastructure nearly everywhere on the planet – in sports stadiums and public buildings as well as highways, bridges, railways and other structures. To serve this global market, CMC maintains facilities across the United States, Europe and Asia. These sites include everything from local recycling centers, steel mini-mills and micro-mills to large-scale fabrication centers, heat-treating facilities as well as other operations. [cmc.com](https://cmc.com) ©CMC 2024