



# GEOGRIDS DESIGNED TO ENHANCE SOIL STABILISATION AND PAVEMENT PERFORMANCE

## GEOFABRICS GEOGRID TRIAXIAL



**Improves**  
load distribution

Geofabrics® Geogrid™ Triaxial is a high-performance, multi-axial geogrid engineered for soil stabilisation and ground improvement in road, rail and heavy-duty pavement applications.

Made from a punched polypropylene sheet, it forms a unique hexagonal structure with triangular apertures that confine and interlock with aggregate. This interlocking mechanism creates a Mechanically Stabilised Layer (MSL) that improves load distribution, increases bearing capacity and enhances pavement performance on soft or variable ground conditions.

### BENEFITS OF GEOGRID TRIAXIAL

- Reduces aggregate layer thickness by over 50% without compromising performance, lowering excavation and fill costs
- Improves bearing capacity and stabilises ballast layers on rail projects, minimising track movement and maintenance requirements
- Enhances layer stiffness to allow the use of lower-quality or recycled fill materials, reducing material costs
- Cuts CO<sub>2</sub> emissions by reducing excavation, transport and aggregate use during construction
- Increases pavement durability by spreading heavy loads and reducing differential settlement
- Speeds up installation, offering a fast, cost-effective stabilisation solution for roads, working platforms and heavy-vehicle pavements

**GEOFABRICS®**  
Sustainable solutions



## INSTALLING GEOGRID TRIAXIAL

Geogrid Triaxial is simple to handle and install on site, providing an efficient solution for stabilising soil and improving ground condition for heavy-duty pavement. It can be rolled out directly over subgrade after removal of protrusions such as rocks and tree stumps.

## APPLICATIONS

- Ground & Pavement Stabilisation
- Track Ballast Stabilisation

## FUNCTION

- Stabilisation



**Stabilises**  
soft and variable  
ground

VISIT **GEOFABRICS.CO** OR CALL 1300 60 60 20 (AU)  
OR **GEOFABRICS.CO.NZ** OR CALL 0800 60 60 20 (NZ)



**GEOFABRICS®**  
Sustainable solutions

IMPORTANT NOTICE - DISCLAIMER - The information contained in this brochure is general in nature. In particular the content of this brochure does not take account of specific conditions that may be present at your site. For full disclaimer and further information regarding installation visit [geofabrics.co/disclaimer](https://geofabrics.co/disclaimer)  
© Copyright held by Geofabrics Australasia Pty Ltd. All rights are reserved and no part of this publication may be copied without prior permission. Published December 2025.

