

E'Grid™



Applications for E'Grid™

- Construction haul roads.
- Paved and unpaved roads.
- Railways and ports.
- Working platforms on weak sub-soils.
- Parking and paved areas.
- Multi-layer applications.

Benefits of E'Grid™

- Triple the load capacity on road and highway projects.
- Cost effective.
- Faster construction.
- More environmentally friendly - 20 to 40% reduction in the carbon emissions associated with the road construction.



1. Wrekin Products Ltd is continually seeking to improve our products and therefore reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves the above data is current.
3. Installation details are available on request.
4. Published April 2019 Version 2.CT



SCAN QR
CODE FOR
MORE INFO



E'Grid™ 2020

Rigid biaxial geogrid

Wrekin's E'Grid™ biaxial geogrids can solve pavement problems by providing omni-axial reinforcement to granular sub-bases, capping layers & railway ballasts in areas of weak or variable soils.

When granular particles are compacted over these grids, they partially penetrate and project through the apertures to create a strong and positive interlock. The load dispersal effect from the interlocking mechanism increases shearing resistance within the soil, improving compaction and allowing the sub base thickness to be decreased, ultimately reducing construction time and costs.



Reinforcement - Resists stresses or reduces deformations

PROPERTIES			E'GRID 2020
Roll size (m)			4 x 50
Tensile strength (kN/m²)		MD	20
		TD	20
Tensile load (kN/m)	2% strain	MD	7.6
		TD	7.6
	5% strain	MD	15.3
		TD	15.3
Junction efficiency (%)			>95
Radial stiffness (kN/m)			380
Pitch size (mm)		Pmd	40
		Ptd	40
Rib width (mm)		Wmd	2.0
		Wtd	2.4
Rib depth (mm)		Tmd	1.6
		Ttd	1.4
		Tj (mm)	3.8

All strength and load figures are based on test results from the manufacturer's laboratory, measured in accordance with ISO10319 at the temperature of 21±1°C and calculated as a lower 95% confidence limit in accordance with ISO 2602. Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GGI. At 2% strain under 360° radial loading. Carbon black content ≥2%. Other roll sizes are available to order.