

E'GRID Biaxial geogrid

E'GRID Biaxial geogrids from Wrekin 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.

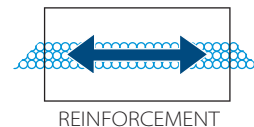
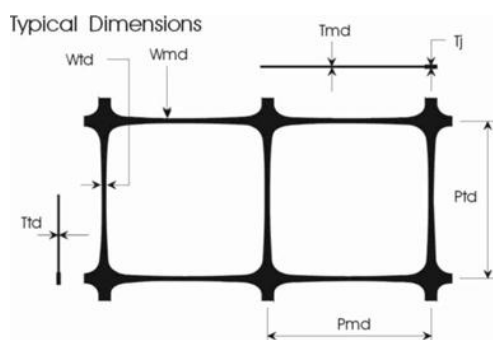
Applications for WREKIN E'GRID:

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

Product	Roll size (m)	Tensile strength (kN/m ²)		Tensile load (kN/m)				Junction efficiency (%)	Radial stiffness (kN/m)	Pitch size (mm)		Rib width (mm)		Rib depth (mm)		Tj (mm)
		MD	TD	MD	TD	MD	TD			Pmd	Ptd	Wmd	Wtd	Tmd	Ttd	
E'GRID 2020	4 x 50	20	20	7.6	7.6	15.3	15.3	>95	380	40	40	2.0	2.4	1.6	1.4	3.8
E'GRID 2020L	4 x 50	20	20	7.6	7.6	15.3	15.3	>95	380	66	66	3.3	4.0	1.4	1.2	4.0
E'GRID 3030	4 x 50	30	30	11.0	11.0	21.6	21.6	>95	550	40	40	2.2	2.7	2.4	1.8	4.0
E'GRID 3030L	4 x 50	30	30	12.0	12.5	24.0	25.0	>95	600	66	66	3.3	4.0	2.0	1.4	4.5
E'GRID 4040	4 x 30	40	40	14.5	15.0	28.0	29.0	>95	725	37	37	2.1	2.8	3.2	2.0	4.5
E'GRID 4040L	4 x 30	40	40	15.0	15.0	29.0	29.0	>95	750	61	61	3.5	5.0	2.6	2.4	5.8
		note 1				note 2		note 3								

Notes:

1. All strength and load figures are based on test results from the manufacturer's laboratory, measured in accordance with ISO 10319 at the temperature of 21 ± 1°C and calculated as a lower 95% confidence limit in accordance with ISO 2602.
2. Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GGI.
3. At 2% strain under 360° radial loading. Determined from tests in accordance with EN ISO 10319.
4. Carbon Black content ≥ 2%.
5. Other roll sizes are available to order.



1. Wrekin Products Ltd reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained in testing to current EN geotextiles test standards. Although not guaranteed these results do, to the best of our knowledge, offer a true and accurate record of the product's performance.
4. Wrekin cannot be held responsible for the performance of these products as conditions of use are beyond our control.
5. Installation details are available on request.

Other grades of geogrids are available from Wrekin including SX Grid