

## E'GRID BIAXIAL GEOGRID

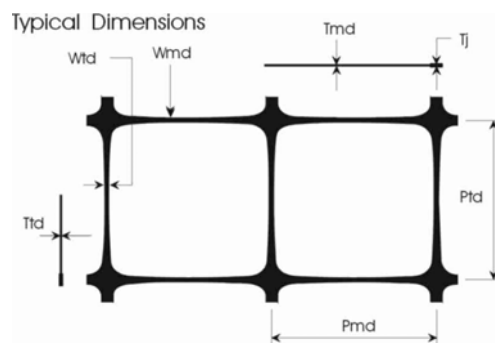
E'grid Biaxial Polypropylene geogrids from Wrekin can solve pavement problems by providing omni-axial reinforcement to granular sub-bases, capping layers and railway ballasts in areas of weak & variable soils.

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 sub-base thickness to be reduced**, ultimately reducing construction time and cost.

**Applications** for sub-base reinforcement include:

- Construction haul roads
- Paved & unpaved roads
- Railways & Ports
- Working platforms on weak sub-soils
- Parking & Paved areas
- Multi layer applications

Specification									Typical Dimensions (mm)						
Product	Roll Size (m)	Weight (KG/m <sup>2</sup> )	Tensile Strength (KN/m) (2)		Tensile Load (KN/M)				Pmd	Ptd	Wmd	Wtd	Tj	Tmd	Ttd
					2% Strain		5% Strain								
			MD	TD	MD	TD	MD	TD							
E'GRID 2020	4 x 50	0.2	20.0	20.0	7.0	7.0	14.0	14.0	40.0	40.0	2.0	2.4	4.1	1.0	0.8
E'GRID 2020L	3.9 x 100	0.2	20.0	20.0	7.0	8.0	14.0	16.0	66.0	66.0	3.3	4.0	4.3	1.0	0.9
E'GRID 3030	4 x 50	0.3	30.0	30.0	10.5	10.5	21.0	21.0	40.0	40.0	2.2	2.7	4.3	2.0	1.4
E'GRID 3030L	3.9 x 75	0.3	30.0	30.0	11.0	12.0	22.0	24.0	66.0	66.0	3.3	4.0	6.0	1.5	1.4
E'GRID 4040	4 x 30	0.5	40.0	40.0	14.0	14.0	28.0	28.0	33.0	33.0	2.3	2.6	5.5	2.3	2.0
E'GRID 4040L	3.9 x 50	0.5	40.0	40.0	14.0	14.0	28.0	28.0	54.0	54.0	3.5	4.5	7.5	1.8	1.6



Note 1  
Note 2  
Note 3

In accordance with BS2782 Part 4, Method 452B, 1993.  
Measured in accordance with ISO10319 at 20 ± 2 °C; calculated as the 95% lower confidence limit in accordance with ISO2602 1980 (BS 2846 Part 2 1981).  
Other roll sizes are available to order.

All E'Grid types are CE-certified by an independent notified body.  
E'Grid is a registered Trade Mark.



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