

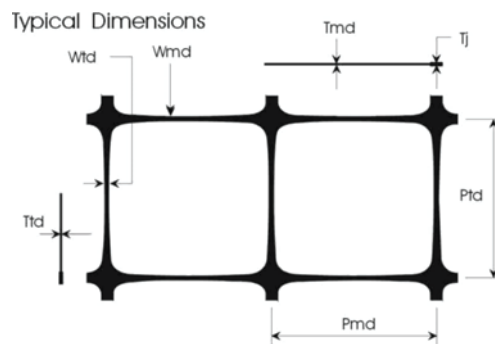


E'Grid Biaxial Geogrid

E'grid Biaxial Polypropylene geogrids from GM 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.

Properties								Typical Dimensions							
Product	Roll Size	Tensile Strength (KN/m) (2)		Tensile Load (KN/M)				Junction Efficiency %	Pm d	Ptd	Wmd	Wtd	Tj	Tmd	Ttd
		MD	TD	2% Strain		5% Strain									
	(m)	MD	TD	MD	TD	MD	TD								
E'GRID 2020	4 x 50	20	20	7.6	7.6	15.3	15.3	≥95	40	40	2	2.4	3.8	1.6	1.4
E'GRID 2020L	4 x 50	20	20	7.6	7.6	15.3	15.3	≥95	66	66	3.3	4	4	1.4	1.2
E'GRID 3030	4 x 50	30	30	11	11	21.6	21.6	≥95	40	40	2.2	2.7	4	2.4	1.8
E'GRID 3030L	4 x 50	30	30	12	12.5	24	25	≥95	66	66	3.3	4	4.5	2	1.4
E'GRID 4040	4 x 30	40	40	14.5	15	28	29	≥95	37	37	2.1	2.8	4.5	3.2	2
E'GRID 4040L	4 x 30	40	40	15	15	29	29	≥95	61	61	3.5	5	5.8	2.6	2.4



- Note 1 In accordance with BS2782 Part 4, Method 452B, 1993.
- Note 2 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).
- Note 3 Other roll sizes are available to order
- Note 4 Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GG1

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



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