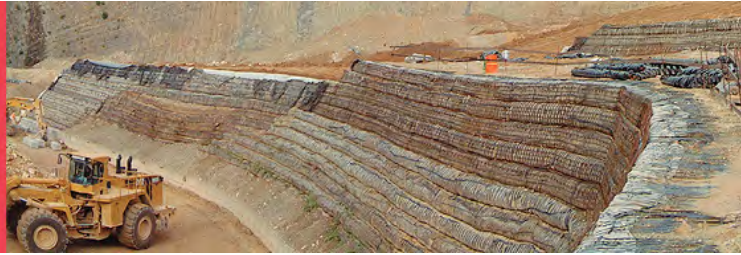




PARAGRID

The Ultimate Geogrid

PARAGRID® geogrids are manufactured from PARAWEB® for civil engineering applications, particularly for soil reinforcement. PARAWEB® consists of discrete bundles of parallel high strength synthetic fibres in a tough and durable polymeric sheath.



PARAGRID® FEATURES

- High modulus
.....
- Ease of installation
.....
- Highly resistant to chemicals, micro-organisms, UV radiation and mechanical damage
.....
- Wide range of strengths available
.....
- Low creep characteristics
.....
- Tough, durable polyethylene sheath
.....
- Suitable for use as reinforcement in embankments with slope angles up to 70°
.....

PARAGRID™ CASE STUDIES

Acoustic Bund
Berkshire, UK

Acoustic Bund
Birmingham Airport, UK

Reinforced Landfill Slope
Biella, Italy

Reinforced Landfill Slope
Bologna, Italy

Reinforced Slope
Crydon, UK

Reinforced Slope
Devon, UK

Reinforced Slope
Florence, Italy

Reinforced Slope
Taipei, Taiwan

Acoustic Bund
Gatwick Airport, UK

PARAGRID® is a two dimensional geogrid manufactured from PARAWEB® on specially designed equipment that is unique to Linear Composites Ltd.

PARAGRID® can be manufactured up to 4.5 metres wide. The machine direction and cross machine direction members are securely bonded at the cross-over points. The configuration of PARAGRID® is illustrated below in Figure 1.

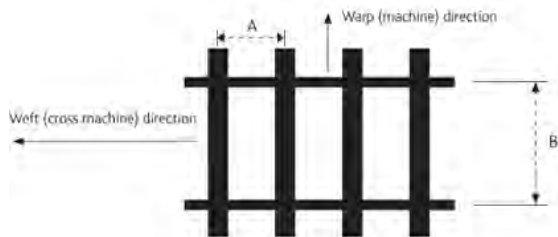


Figure 1 : PARAGRID™ Cross Section

Standard PARAGRID™ range

PARAGRID™ Grade	Characteristic short term strength in length direction (kN/m)	Characteristic short term strength in width direction (kN/m)	Standard roll width (m)	Standard roll length (m)	Product Weight (kg) (+/-5%)	Product Mass (kg/m ²) (+/-5%)	Grid size warp/weft (A x B) (mm)
30/5	30	5	3.9	100	93	213	75 x 450
50/5	50	5	3.9	100	105	244	75 x 450
65/5	65	5	3.9	80	108	312	75 x 450
80/5	80	5	3.9	80	123	362	75 x 450
90/5	90	5	3.9	80	134	397	75 x 450
100/5	100	5	3.9	50	140	416	75 x 450
110/5	110	5	3.9	50	98	453	75 x 450
150/5	150	5	3.9	50	131	618	75 x 450
200/5	200	5	3.9	50	147	705	75 x 450
30/15	30	15	3.9	50	73	328	75 x 225
50/15	50	15	3.9	50	164	376	75 x 225
80/15	80	15	3.9	50	93	435	75 x 225
100/15	100	15	3.9	50	103	488	75 x 225
120/15	120	15	3.9	50	108	547	75 x 225
150/15	150	15	3.9	50	130	671	75 x 225
160/15	160	15	3.9	50	138	700	75 x 225
200/15	200	15	3.9	50	156	781	75 x 225
50/50	50	50	3.9	50	79	568	75 x 75
100/100	100	100	3.9	50	117	811	75 x 75

Reinforced Wall
Alto Chicama, Peru

Retaining Wall
Halifax, UK

Intermediate grades and non-standard roll dimensions are available on request. The standard range of **PARAGRID®** is covered by BBA certificate number 98/R098.

The full technical properties and performance parameters are detailed in separate data sheets, which are available to download from the [secure login area](#).

▼ TECHNICAL DATASHEETS
SECURE LOGIN



PARAGRID® applications



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