



PARADRAIN® is a geogrid combining reinforcement and drainage functions in one product especially suitable for use with marginal, poorly draining backfill materials.



PARADRAIN® FEATURES

- Geogrid with integral drainage function

- Allows the use of marginal/poorly draining fills

- Does not require specialist fills

- Reduces environmental impact

PARADRAIN™ CASE STUDIES

- Slope Stabilisation
Taipei, Taiwan
- Landfill Perimeter
Bologna, Italy

TECHNICAL DATASHEETS
SECURE LOGIN



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

PARADRAIN® can be manufactured up to 3.9 metres wide. The machine direction and cross machine direction members are securely bonded at the cross-over points.

Standard PARADRAIN® Range

PARADRAIN™ Grade	Mechanical / physical properties				
	50/15	80/15	100/15	150/15	200/15
Standard roll width (m)	3.9	3.9	3.9	3.9	3.9
Standard roll length (m)	50	50	50	50	50
Characteristic short term strength in length direction (kN/m)	50	80	100	150	200
Characteristic short term strength in width direction (kN/m)	15	15	15	15	15
Product mass (g/m ²)	414	497	546	745	841
Product weight per roll (kg)	91	107	116	155	174
	Hydraulic properties				
In plane flow under 100 kP HG=1.0 (l/m.hr)	3.8	3.8	3.8	3.8	3.8
HG=0.5 (l/m.hr)	1.9	1.9	1.9	1.9	1.9
HG=0.1 (l/m.hr)	0.9	0.9	0.9	0.9	0.9
Permeability normal to the plane (l/m ² .s)	90	90	90	90	90

Intermediate grades and non-standard roll dimensions are available on request.

PARADRAIN® can be used in embankment and slope reinforcement where the combined reinforcement and drainage functions can operate effectively in marginal fills.

By providing a regular array of positive drainage paths, PARADRAIN® allows excess pore water pressures generated during construction to be quickly and effectively dissipated.

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

PARADRAIN® applications

