

TERRAM series 500 geocells

Product Data Sheet

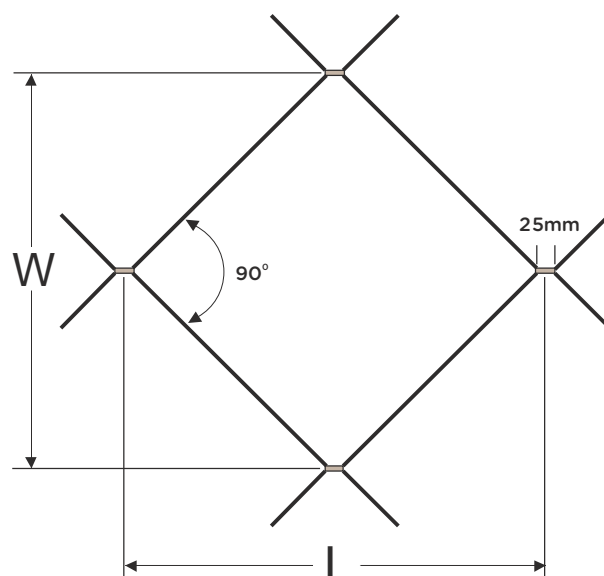
Issue: 01 Date: 26.06.12 Page: 1 of 2

Panel Grade		20/04	20/06	20/08	20/10	20/12	20/14	20/16	20/18
Physical Properties									
Cell Nominal Diameter	mm	500	500	500	500	500	500	500	500
Cell Length (L)	mm	580	580	580	580	580	580	580	580
Cell Width (W)	mm	530	530	530	530	530	530	530	530
Cell Depth ¹	mm	250	250	250	250	250	250	250	250
Panel Length ¹	mm	10606	10606	10606	10606	10606	10606	10606	10606
Panel Width ¹	mm	1450	2031	2611	3191	3772	4352	4932	5513
Panel Weight	kg	7.3	10.2	13.2	16.1	19.1	22.0	25.0	27.9
Cells per m ² (nominal)		6	6	6	6	6	6	6	6
Mechanical/Hydraulic Properties									
Cell Wall Tensile Strength ²	kN/m	20.7	20.7	20.7	20.7	20.7			
Cell Junction Peel Strength ³	kN/m	10.0	10.0	10.0	10.0	10.0			
Cell Wall Permeability ⁴	l/m ² s	45.0	45.0	45.0	45.0	45.0			

- Other sizes are available to order.
- Results derived from wide-width tensile test (EN ISO 10319).
- Terram internal test method.
- Results derived from a single cell wall Permeability Test (EN ISO 11058).

Results quoted are family mean values derived from testing over periods of time.

Colour: dark grey - other colours available to order



Durability

This product is predicted to be durable for more than 25 years in soils with a pH in the range 2 to 14 and with a temperature of less than 25°C.

Chemical resistance

Polypropylene and polyethylene are unaffected by the chemicals which normally exist in soils.

Biological resistance

Polypropylene and polyethylene are not nutrients for micro-organisms and do not provide nourishment for animals & insects.

UV exposure

Fiberweb Geosynthetics' products are delivered to site in polyethylene wrapping to protect against the effects of ultra-violet radiation. It is recommended that the products remain wrapped until their installation. Once unwrapped, the products should be completely covered with fill within 14 days to avoid exposure to UV radiation.

Versions of most products can be manufactured with enhanced UV performance by incorporating stabilisers.

These versions carry the suffix UV.

The remaining properties are identical to the corresponding standard grade.

Adequate precautions should always be taken to protect all products from UV radiation to achieve the stated durability.

Notes:

1. Refer to the *Terram Jointing Methods* (downloadable from www.terram.com) for when simple overlaps are required for subsequent and adjacent roll lengths. However, pegging, sewing, stapling or gluing can also be used depending upon the application, the sub-grade conditions, the loading, the convenience and the cost.
2. These figures relate to standard product weights and roll sizes. Other weights, sizes and colours may be available on request. For further information please contact Fiberweb Geosynthetics' Technical Support.

As part of its continual improvement process Fiberweb Geosynthetics Ltd reserve the right to change the properties listed on this data sheet without prior notice.

TM indicates a trade mark of Fiberweb plc or a Fiberweb Group company, many of which are registered in a number of countries around the world.